



**Environmental Waste  
Management Associates**



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*Via FedEx Priority Overnight*

August 18, 2004

Mr. Stephen Kehayes, Case Manager  
NJDEP- Office of Brownfields Reuse  
P. O. Box 028  
401 East State Street  
Trenton NJ 08625-0028

**Re: Gypsum Landfill Remedial Investigation and Existing Cap Thickness Delineation  
Report**

Former Celotex Industrial Park Property  
525 River Road, Edgewater, Bergen County, NJ  
EWMA Project #: 202334

Dear Mr. Kehayes:

Environmental Waste Management Associates, LLC (EWMA), on behalf of Edgewater Enterprises, has completed the proposed additional remedial investigation and existing cap thickness delineation for the Gypsum Landfill area at the referenced site. This letter report summarizes the results of these additional investigation activities.

**Background**

EWMA's initial proposal for the additional investigation activities was outlined in the Remedial Investigation Report/ Remedial Investigation Workplan (RIR/RIW) dated March 20, 2002. On February 26, 2003, NJDEP issued a comment letter outlining additional requirements, summarized as follows:

- Expansion of the areas shown as containing less than 18-inches of cover material to include grids where no delineation soil boring was installed (Figure 4); and,
- Additional lateral delineation of PCBs to the north, northwest, and northeast of the former sample location LFTP-4 (13'-13.5').

On August 25, 2003, EWMA submitted a response to the NJDEP comment letter dated February 26, 2003. Specifically, the following was proposed to satisfy additional NJDEP requirements:

- Grids where no soil borings were drilled to establish cap thickness, were included in the areas having less than 18 inches of cover (Figure 4);
- A total of thirty-five (35) additional soil borings were proposed to further delineate the cap thickness, especially in the grids where no soil borings were previously installed;
- Three (3) additional lateral PCB delineation soil borings were proposed in the vicinity of LFTP-4 per NJDEP requirements.

**Mr. Stephen Kehayes**

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On December 22, 2003, NJDEP issued a response letter that included a response to EWMA's submittal dated August 25, 2003 for the Gypsum Landfill area. The NJDEP response letter approved the proposed additional investigation activities. In addition, NJDEP outlined the following revisions to the cap thickness requirement:

- For the landscaped areas and areas with soil cover, a cap thickness of 18 inches or above was required;
- For areas utilizing asphalt, paving blocks, or brick/stone, a cap thickness of 12 inches was acceptable.

The above revisions were acknowledged by Wolff & Samson, on behalf of Edgewater Enterprises, in their letter to NJDEP dated January 13, 2004.

**PCB/ Metals Delineation Investigation**

A number of proposed additional soil borings were installed within the Gypsum Landfill area for vertical and lateral delineation of PCB, arsenic, and lead compounds detected at former sample locations. EWMA was unable to conduct lateral and vertical delineation soil borings (LFSS-4-WD and LFSS-4-V) related to the former sample location LFSS-4 due to unfavorable access conditions. Specifically, this sample location was at the bottom of the existing drainage ditch, with steep embankment slopes prohibiting the placement of a drill rig to conduct the soil borings in a safe manner. The boring locations are depicted on on the revised Figure 5.

All soil sampling was conducted in accordance with NJDEP's *Field Sampling Procedures Manual (FSPM)*, May 1992. All soil samples were analyzed by Integrated Analytical Laboratories, LLC (IAL) of Randolph, NJ (NJDEP Certification # 14751).

A summary of the additional delineation soil samples collected is summarized in the attached Table 1, and the location of the soil borings is shown in the attached revised Figure 5. The results of the delineation soil samples are summarized in Table 2. Soil boring logs for all sample locations are provided in Appendix 1. The laboratory analytical data package (IAL Case # 03710) and the Electronic Data Deliverable (EDD) packages for the soil samples are attached as Appendix 2, and Appendix 3, respectively.

The results of PCB analysis of the additional delineation soil samples did not detect the presence of PCB compounds in any of the soil samples, except for LFTP-4-ND (13'-13.5') where Aroclor-1254 PCB compound was detected at 0.573 mg/kg, slightly above the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC) of 0.49 mg/kg, but below the NJDEP Non-Residential Direct Contact Soil Cleanup Criteria (NRDCSCC) of 2.0 mg/kg.

The results of proposed metals analysis of the additional delineation soil samples indicated the presence of arsenic at 74.5 mg/kg at LFHD-1 (25'-26') and 243 mg/kg at LFHD-3 (25'-26'), above the NJDEP NRDCSCC of 20 mg/kg.

The isolated PCB concentrations detected are below the NJDEP NRDCSCC, and can be adequately addressed through the existing engineering controls and the placement of the proposed institutional

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criteria, and can be adequately addressed through the existing engineering and proposed institutional controls.

The additional proposed delineation sampling in the vicinity of LFSS-4 was not completed due to unfavorable and unsafe access conditions. Based on the results of PCB, arsenic, and lead analysis for the remaining delineation soil samples summarized above, EWMA requests that the delineation sampling for the former location LFSS-4 be waived.

**Landfill Cap Thickness Delineation**

In addition to the proposed thirty-five (35) soil borings, thirty-five (35) more soil borings (i.e. a total of 70 soil borings) were installed to address the data gaps in the landfill cap sampling grid. Some of these borings were installed to re-evaluate grids where borings were previously installed during the December 2001-January 2002 landfill cap thickness investigation. A review of the previous investigation method revealed that the procedure used for the cap thickness evaluation may not have been most accurate. The previous borings were installed using an auger which allows visual inspection of the soil in the ground, thereby makes it difficult to evaluate the soil column as a whole and accurately determine the gypsum depth. In addition, mixing of the strata in the drill cuttings may have occurred which would also make gypsum depth evaluation difficult.

On June 7 and June 22, 2004 a total of seventy (70) borings were installed in the Gypsum Landfill area by Summit Drilling (Summit) under the supervision of EWMA. For activities conducted on June 7, 2004, a Geoprobe drill rig was used on June 7, 2004 to install borings in the asphalt and brick/stone paved areas. On June 22, 2004, a jack hammer modified to drive standard split spoons was used to install borings on the slopes of the water quality basin and in landscaped areas not accessible with the Geoprobe.

Less than 18 inches of material was recovered in three (3) borings installed in grids A'12, B5, and H10 which are located in the water quality basin and landscaped areas. The soil cores for all seventy (70) locations were photographed and soil boring logs with the corresponding photos are attached in Appendix 4. The boring locations and variations in the cap thickness are depicted on the Existing Cap Thickness Plan attached as Figure 2. The cap thickness data from the current and previous investigations are summarized by grid location on Table 3.

A review of the Existing Cap Thickness Plan (Figure 2) indicates that with the exception of six (6) isolated locations (within grids A'12, G10, H10, I3, I5, and J5) out of the seventy (70) locations, the additional soil borings showed that the fill thickness meets and/or exceeds the NJDEP requirement. The inclusion of asphalt, brick/stone thickness will further reduce the locations and limited areas with total cap thickness below the NJDEP requirement. However, EWMA believes that the engineering controls currently present and maintained at the site provide adequate protection against direct contact with the underlying gypsum landfill material, erosion, and/or migration of any soil particles or cover material. Therefore, EWMA requests that no further investigation or disruption of the existing controls be required in the Gypsum Landfill area.

**Mr. Stephen Kehayes**

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**Landfill Cap Repair**

During EWMA's recent activities a few small areas of settlement were observed in and adjacent to the water quality basin area of the gypsum landfill cap. On July 16, 2004, Art Semeraro Construction Company repaired these areas by filling them to the required cap thickness with clean soil and rip rap. Approximately 6 cubic yards of top soil and 8 cubic yards of rip-rap were used for the repairs and grass seed was planted on the top soil areas. The repaired areas are depicted on Figure 2.

**Conclusions & Recommendations**

Based on the results of the investigation activities presented above, EWMA provides the following conclusions and recommendations:

- PCB, lead, and arsenic contamination has been adequately investigated and delineated within the Gypsum Landfill area, and that no further investigation activities are necessary due to the presence of adequate engineering controls and proposed institutional controls;
- The results of the additional cap thickness investigation and delineation indicate that with the exception of six (6) isolated locations out of the seventy (70) locations, the additional soil borings showed that the fill thickness meets and/or exceeds the NJDEP requirement throughout this area. The engineering controls currently present and maintained at the site provide adequate protection against direct contact with the underlying gypsum landfill material, erosion, and/or migration of any soil particles or cover material;
- EWMA believes that all pending remedial investigation and/or cap thickness evaluation/remediation requirements have been adequately addressed and that no further investigation or remedial action is necessary.

Should you have any questions or require additional information to complete your review, please do not hesitate to call me or Paul Schatz at (973) 560-1400 ext. 155 or 151, respectively.

Sincerely,

**Environmental Waste Management Associates, LLC**



Ajay Kathuria, P.E.

Senior Project Engineer

**Attachments**

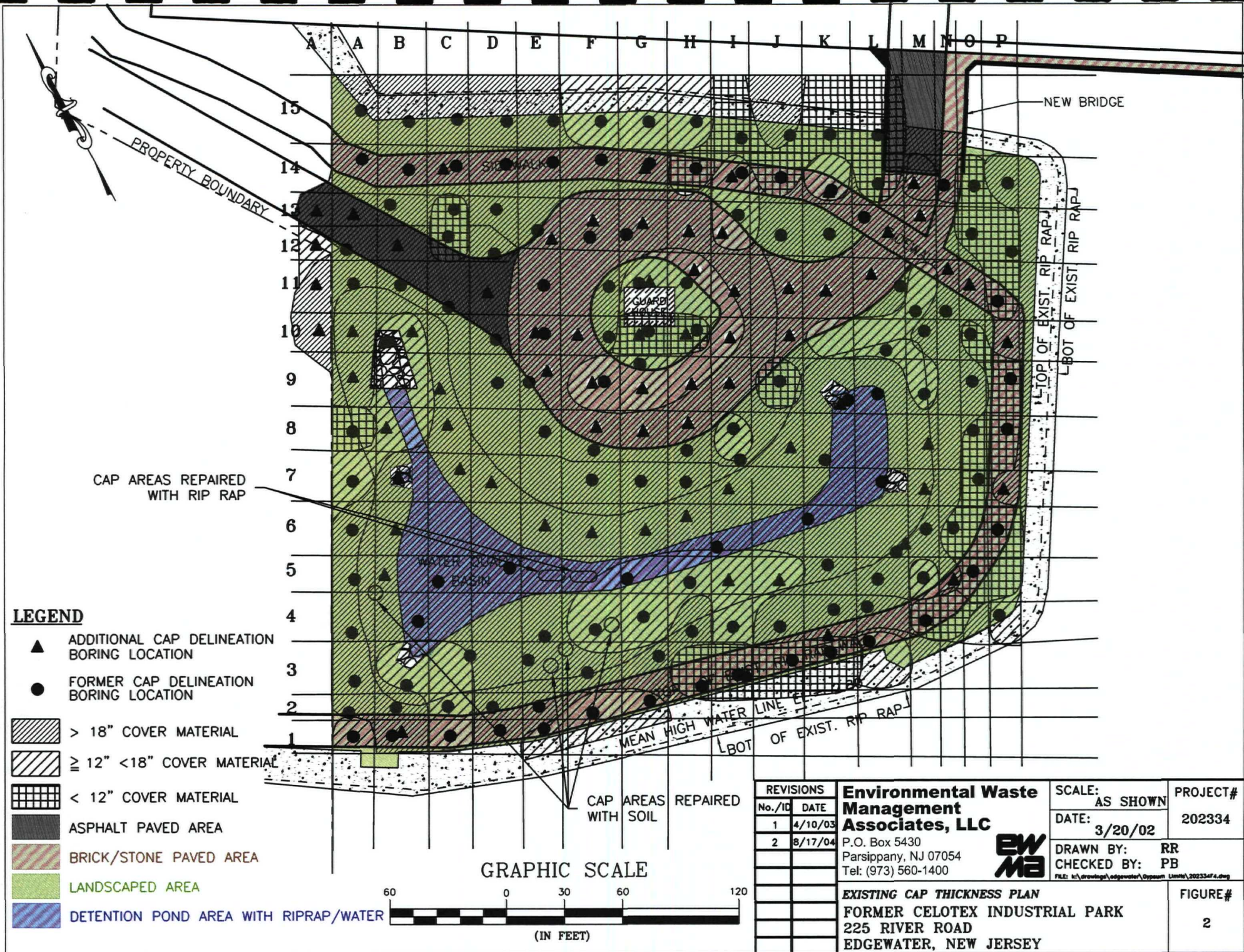
cc: Richard LaBarbiera, P.E., Edgewater Enterprises  
Richard Ho, EPA – Region 2  
Dennis Toft, Wolff & Samson  
Daniel A. Nachman, Dan Raviv Associates, Inc. (DRAI)  
Kevin D. Orabone, EWMA  
Paul V. Schatz, C.P.G., EWMA

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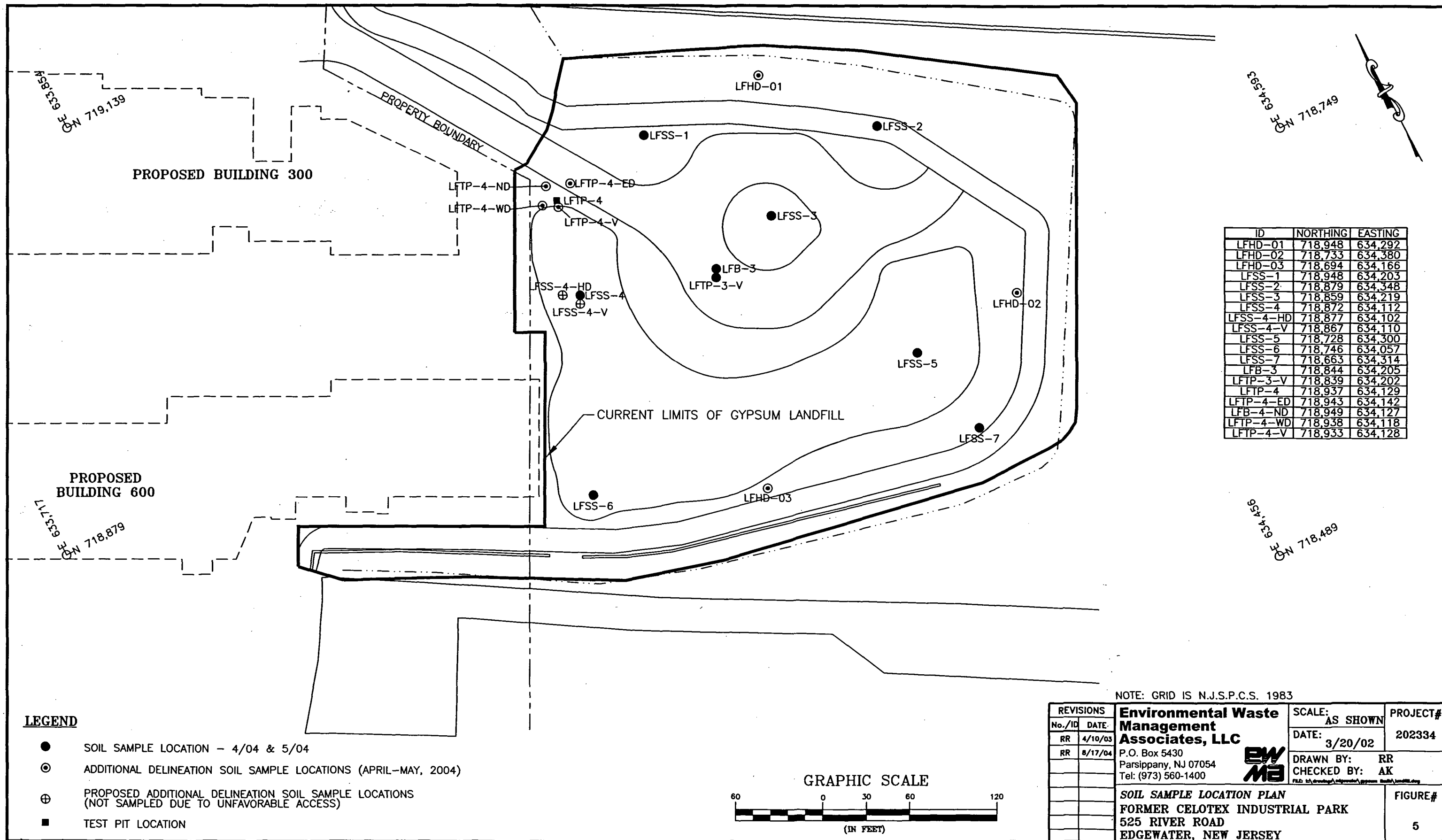
















**TABLE 1**  
**ADDITIONAL DELINEATION SAMPLING PLAN**  
**FORMER CELOTEX INDUSTRIAL PARK PROPERTY**  
**RIVER ROAD, EDGEWATER, NEW JERSEY**

**GYPSUM LANDFILL AREA**

| Designation | Medium | Sample Depth | Analytical Parameters | Comments  |
|-------------|--------|--------------|-----------------------|---|
| LFTP-3-V    | Soil   | 28-30'       | PCB                   | Vertical Delineation of LFB3  |
| LFTP-4-V    | Soil   | 25-26'       | PCB                   | Vertical Delineation of LFTP-4  |
| LFTP-4-ND   | Soil   | 13-13.5'     | PCB                   | Lateral Delineation of LFTP-4 at Sample Depth   |
| LFTP-4-WD   | Soil   | 13-13.5'     | PCB                   | Lateral Delineation of LFTP-4 at Sample Depth   |
| LFTP-4-ED   | Soil   | 13-13.5'     | PCB                   | Lateral Delineation of LFTP-4 at Sample Depth   |
| LFSS-4-V*   | Soil   | 25-26'       | PCB, As, Pb           | Vertical Delineation of LFSS-4<br>Horizontal Delineation of LFB3 in a Western Direction<br>Define Limits of As and Pb in West Direction |
| LFSS-4-WD*  | Soil   | 0-2'         | PCB                   | Horizontal Delineation of LFSS-4 in a Western Direction   |
| LFHD-01     | Soil   | 25-26'       | PCB, As, Pb           | Horizontal Delineation of LFB3 in North Direction<br>Define Limits of As and Pb in North Direction                                      |
| LFHD-02     | Soil   | 25-26'       | PCB, As, Pb           | Horizontal Delineation of LFB3 in East Direction<br>Define Limits of As and Pb in East Direction  |
| LFHD-03     | Soil   | 25-26'       | PCB, As, Pb           | Horizontal Delineation of LFB3 in South Direction<br>Define Limits of As and Pb in South Direction                                      |

\* Soil borings not installed due to unfavorable access

# ENVIRONMENTAL WASTE MANAGEMENT ASSOCIATES, LLC.

Table 2: Soil Sample Analytical Results Summary Table  
 Project: Edgewater Enterprises - Gypsum Landfill Area  
 Project Number: 202334  
 Site: Former Celotex, 225 River Road, Edgewater, NJ

| Client ID:    | NJDEP      | NJDEP | NJDEP | LFTP-4-ED  |   |       | LFTP-4-ND  |   |       | LFTP-4-WD  |   |       | LFTP-4-V   |   |       |
|---------------|------------|-------|-------|------------|---|-------|------------|---|-------|------------|---|-------|------------|---|-------|
| Sample Depth: | RDC        | NRDC  | IGW   | 13'-13.5'  |   |       | 13'-13.5'  |   |       | 13'-13.5'  |   |       | 25'-26'    |   |       |
| Lab ID:       | SCC        | SCC   | SCC   | 03710-001  |   |       | 03710-002  |   |       | 03710-003  |   |       | 03710-004  |   |       |
| Date Sampled: | 04/26/2004 |       |       | 04/26/2004 |   |       | 04/26/2004 |   |       | 04/26/2004 |   |       | 04/26/2004 |   |       |
| Matrix:       | Soil       |       |       | Soil       |   |       | Soil       |   |       | Soil       |   |       | Soil       |   |       |
| PCB's (ppm)   |            |       |       | Conc       | Q | MDL   | Conc       | Q | MDL   | Conc       | Q | MDL   | Conc       | Q | MDL   |
| Aroclor-1016  | 0.49       | 2     | 50    | ND         |   | 0.018 | ND         |   | 0.017 | ND         |   | 0.023 | ND         |   | 0.020 |
| Aroclor-1221  | 0.49       | 2     | 50    | ND         |   | 0.018 | ND         |   | 0.017 | ND         |   | 0.023 | ND         |   | 0.020 |
| Aroclor-1232  | 0.49       | 2     | 50    | ND         |   | 0.018 | ND         |   | 0.017 | ND         |   | 0.023 | ND         |   | 0.020 |
| Aroclor-1242  | 0.49       | 2     | 50    | ND         |   | 0.018 | ND         |   | 0.017 | ND         |   | 0.023 | ND         |   | 0.020 |
| Aroclor-1248  | 0.49       | 2     | 50    | ND         |   | 0.018 | ND         |   | 0.017 | ND         |   | 0.023 | ND         |   | 0.020 |
| Aroclor-1254  | 0.49       | 2     | 50    | ND         |   | 0.018 | ND         |   | 0.017 | ND         |   | 0.023 | ND         |   | 0.020 |
| Aroclor-1260  | 0.49       | 2     | 50    | ND         |   | 0.018 | ND         |   | 0.017 | ND         |   | 0.023 | ND         |   | 0.020 |
| Total PCB     | 0.49       | 2     | 50    | ND         |   | 0.018 | 0.573      |   | 0.017 | ND         |   | 0.023 | ND         |   | 0.020 |
| Metals (ppm)  |            |       |       |            |   |       |            |   |       |            |   |       |            |   |       |
| Arsenic       | 20         | 20    | NA    | ~          |   | ~     | ~          |   | ~     | ~          |   | ~     | ~          |   | ~     |
| Lead          | 400        | 600   | NA    | ~          |   | ~     | ~          |   | ~     | ~          |   | ~     | ~          |   | ~     |

3.14 = Results above the NJDEP Residential Direct Contact Soil Cleanup Criteria

3.14 = Results above the NJDEP Non-Residential Direct Contact Cleanup Criteria

3.14 = Results above the NJDEP Impact to Ground Water Soil Cleanup Criteria

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the MDL

All qualifiers on individual Semivolatiles are carried down through summation.

# ENVIRONMENTAL WASTE MANAGEMENT ASSOCIATES, LLC.

**Table 2: Soil Sample Analytical Results Summary Table**  
**Project: Edgewater Enterprises - Gypsum Landfill Area**  
**Project Number: 202334**  
**Site: Former Celotex, 225 River Road, Edgewater, NJ**

| Client ID:       | NJDEP       | NJDEP    | NJDEP     | LFTP-3-V   |   |              | LFHD-1      |       |              | LFHD-2     |   |              | LFHD-3     |   |              |
|------------------|-------------|----------|-----------|------------|---|--------------|-------------|-------|--------------|------------|---|--------------|------------|---|--------------|
| Sample Depth:    | RDC         | NRDC     | IGW       | 27'-29'    |   |              | 25'-26'     |       |              | 25'-26'    |   |              | 25'-26'    |   |              |
| Lab ID:          | SCC         | SCC      | SCC       | 03710-005  |   |              | 03710-006   |       |              | 03710-007  |   |              | 03710-008  |   |              |
| Date Sampled:    | 04/27/2004  |          |           | 04/27/2004 |   |              | 04/27/2004  |       |              | 04/27/2004 |   |              | 04/27/2004 |   |              |
| Matrix:          | Soil        |          |           | Soil       |   |              | Soil        |       |              | Soil       |   |              | Soil       |   |              |
| PCB's (ppm)      |             |          |           | Conc       | Q | MDL          | Conc        | Q     | MDL          | Conc       | Q | MDL          | Conc       | Q | MDL          |
| Aroclor-1016     | 0.49        | 2        | 50        | ND         |   | 0.023        | ND          |       | 0.024        | ND         |   | 0.023        | ND         |   | 0.023        |
| Aroclor-1221     | 0.49        | 2        | 50        | ND         |   | 0.023        | ND          |       | 0.024        | ND         |   | 0.023        | ND         |   | 0.023        |
| Aroclor-1232     | 0.49        | 2        | 50        | ND         |   | 0.023        | ND          |       | 0.024        | ND         |   | 0.023        | ND         |   | 0.023        |
| Aroclor-1242     | 0.49        | 2        | 50        | ND         |   | 0.023        | ND          |       | 0.024        | ND         |   | 0.023        | ND         |   | 0.023        |
| Aroclor-1248     | 0.49        | 2        | 50        | ND         |   | 0.023        | ND          |       | 0.024        | ND         |   | 0.023        | ND         |   | 0.023        |
| Aroclor-1254     | 0.49        | 2        | 50        | ND         |   | 0.023        | ND          |       | 0.024        | ND         |   | 0.023        | ND         |   | 0.023        |
| Aroclor-1260     | 0.49        | 2        | 50        | ND         |   | 0.023        | ND          |       | 0.024        | ND         |   | 0.023        | ND         |   | 0.023        |
| <b>Total PCB</b> | <b>0.49</b> | <b>2</b> | <b>50</b> | <b>ND</b>  |   | <b>0.023</b> | <b>ND</b>   |       | <b>0.024</b> | <b>ND</b>  |   | <b>0.023</b> | <b>ND</b>  |   | <b>0.023</b> |
| Metals (ppm)     |             |          |           |            |   |              |             |       |              |            |   |              |            |   |              |
| Arsenic          | 20          | 20       | NA        | ~          |   | ~            | <u>74.5</u> | 1.58  | 15.3         | 1.54       |   | <u>243</u>   | 1.60       |   |              |
| Lead             | 400         | 600      | NA        | ~          |   | ~            | 198         | 0.792 | 18.5         | 0.771      |   | 268          | 0.799      |   |              |

3.14 = Results above the NJDEP Residential Direct Contact Soil Cleanup

3.14 = Results above the NJDEP Non-Residential Direct Contact Cleanup

3.14 = Results above the NJDEP Impact to Ground Water Soil Cleanup

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

J = The concentration was detected at a value below the MDL

All qualifiers on individual Semivolatiles are carried down through summation

**TABLE 3**  
**GYPSUM CAP INVESTIGATION SUMMARY**  
**FORMER CELOTEX INDUSTRIAL PARK**  
**225 RIVER ROAD, EDGEWATER, NEW JERSEY**

|    | A'    | A     | B     | C    | D    | E    | F    | G    | H    | I    | J    | K    | L    | M    | N    | O    | P    |
|----|-------|-------|-------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 15 |       | >=18  | >=18  | >=18 | >=18 | >=18 | 12   | 13   | 14.5 | 8    | >=18 | 3    | 7    | x    | x    | x    | x    |
| 14 |       | >=18  | >=18  | >=18 | >=18 | >=18 | >=18 | >=18 | 6    | >=12 | 8    | >=12 | 3.5  | >=12 | x    | 3    | >=18 |
| 13 | >=18  | >=18  | >=18  | 13   | >=18 | >=18 | >=18 | >=18 | >=18 | >=12 | >=18 | >=18 | >=18 | >=18 | x    | 5    | 1    |
| 12 | R<18  | >=18  | >=18  | 10.5 | >=18 | x    | x    | x    | x    | x    | x    | x    | x    | x    | x    | x    | x    |
| 11 | >= 18 | >=18  | >=18  | >=18 | >=18 | >=18 | >=18 | 13   | >=12 | >=12 | >=18 | >=18 | >=18 | 12   | >=18 | >=18 | 3    |
| 10 | >= 18 | >= 18 | 15    | x    | >=18 | >=18 | >=18 | 10   | 10   | >=12 | >=18 | 12   | 13   | >=18 | x    | 11   | >=18 |
| 9  |       | >= 18 | x     | >=18 | >=18 | >=18 | >=12 | >=12 | >=12 | >=18 | 10   | >=18 | >=18 | 13   | x    | >=18 | 3    |
| 8  |       | 8     | 15    | >=18 | x    | >=18 | >=18 | >=18 | >=18 | 14   | >=18 | >=18 | x    | >=18 | x    | 6.5  | 9    |
| 7  |       | 13    | >= 18 | >=18 | >=18 | x    | >=18 | >=18 | >=18 | >=18 | x    | x    | >=18 | >=18 | x    | 9    | >=18 |
| 6  |       | >=18  | >= 18 | x    | x    | >=18 | >=18 | >=18 | >=18 | >=18 | x    | >=18 | >=18 | >=18 | 6    | x    | 9    |
| 5  |       | >=18  | R<18  | >=18 | >=18 | x    | x    | 15   | 15   | 16   | 15   | >=18 | >=18 | 13   | >=18 | 9    | x    |
| 4  |       | >=18  | >=18  | x    | x    | >=18 | 16   | 16   | >=18 | 13   | >=18 | >=18 | >=18 | 7    | 11   | x    | 15   |
| 3  |       | >=18  | 12    | 16   | x    | >=18 | >=18 | >=18 | 9    | 10   | 9    | 9    | 14   | x    | x    | x    | x    |
| 2  |       | >=18  | >=18  | 16   | >=18 | >=18 | 14   | 13   | x    | x    | x    | x    | x    | x    | x    | x    | x    |
| 1  |       | 17    | >=18  | 15   | >=18 | 17   | x    | x    | x    | x    | x    | x    | x    | x    | x    | x    | x    |

**Note:**        **Numbers in Bold are less than 18" cover**  
X - Grid Was not sampled

- >= 18    Grids where 18 inches or more cover material was established during previous investigation
- >= 18    Grids where no boring was installed during previous investigation, but recent investigation shows 18 inches or more of cover material
- >= 18    Grids where 18 inches or more of cover material was observed during previous as well as recent investigation
- >= 18    Grids where previous investigation showed less than 18 inches of cover material, but recent investigation showed 18 inches or more of cover material
- R<18    Grids where no boring was installed during previous investigation and less than 18 inches was recovered in spoon or geoprobe macrocore during recent investigation
- >=12    Grids where no boring was installed during previous investigation, but recent investigation shows 12 inches or more of cover material
- >= 12    Grids where 12 inches or more of cover material was observed during previous as well as recent investigation
- >= 12    Grids where previous investigation showed less than 12 inches of cover material, but recent investigation showed 12 inches or more of cover material







**Environmental Waste  
Management Associates, LLC**

PO Box 5430, Parsippany, NJ, 07054  
Phone: (973) 560-1400 Fax: (973) 560-0400

EWMA Job #:  
202334  
Boring #:  
LFTP-4-ED  
Install Date:  
4/26/04

Site Name: Former Celetex Property

Site Location: Edgewater, NJ

Completion Date: 4/26/04

Geologist: Joe Krulik

Drilling Co.: Summit

Driller: Steve Yotkovski/Ronnie Crespo

Drill Rig: GP1100CXR

Bit: Tricone

Hammer Wt: 140

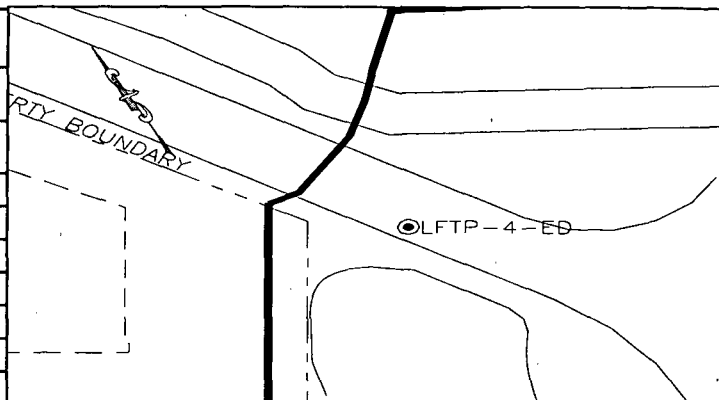
Drop: 30"

Total Depth: 14'

Sampler Type: 2" diameter SS Split Spoon

G.W. Encountered: 12'

G.W. Stabilized: 12'



**BORING LOCATION SKETCH (N.T.S)**

| DEPTH (FT.) | SAMPLE ID AND DEPTH | PID/FID/QUA (METER UNITS) | BLOWS/6.0" | RECOVERY (INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION                   | DEPTH (FT.) |
|-------------|---------------------|---------------------------|------------|-------------------|-----------|---|-------------|
| 1           |                     |                           |            |                   | Fill      | 0-2' Asphalt, Road Stone                      | 1           |
| 2           |                     | 0.0                       |            | 20                | CL        | 2-10' Lt. Grey Clay (Moist)                   | 2           |
| 3           |                     | 0.0                       |            |                   |           |   | 3           |
| 4           |                     | 0.0                       |            | 24                |           |   | 4           |
| 5           |                     | 0.0                       |            |                   |           |   | 5           |
| 6           |                     | 0.0                       |            | 24                |           |   | 6           |
| 7           |                     | 0.0                       |            |                   |           |   | 7           |
| 8           |                     | 0.0                       |            | 24                |           |   | 8           |
| 9           |                     | 0.0                       |            |                   |           |   | 9           |
| 10          |                     | 0.0                       |            | 20                | ML        | 10-12' Brown Silt, some Lt. Grey clay (Moist) | 10          |
| 11          |                     | 0.0                       |            |                   |           |   | 11          |
| 12          |                     | 0.0                       |            | 24                |           | 12-14' Same (Wet), Strong odor of H2S         | 12          |
| 13          |                     | 0.0                       |            |                   |           |   | 13          |
| 14          | LFTP 4-ED           | 0.0                       |            |                   |           | Boring Terminated                             | 14          |
| 15          |                     |                           |            |                   |           |   | 15          |
| 16          |                     |                           |            |                   |           |   | 16          |
| 17          |                     |                           |            |                   |           |   | 17          |
| 18          |                     |                           |            |                   |           |   | 18          |
| 19          |                     |                           |            |                   |           |   | 19          |
| 20          |                     |                           |            |                   |           |   | 20          |
| 21          |                     |                           |            |                   |           |   | 21          |
| 22          |                     |                           |            |                   |           |   | 22          |
| 23          |                     |                           |            |                   |           |   | 23          |
| 24          |                     |                           |            |                   |           |   | 24          |



**Environmental Waste  
Management Associates, LLC**

PO Box 5430, Parsippany, NJ, 07054  
Phone: (973) 560-1400 Fax: (973) 560-0400

EWMA Job #:  
202334  
Boring #:  
LFTP-WD  
Install Date:  
4/26/04

Site Name: Former Celetex Property

Site Location: Edgewater, NJ

Completion Date: 4/26/04

Geologist: Joe Krulik

Drilling Co.: Summit

Driller: Steve Yotkovski/Ronnie Crespo

Drill Rig: GP1100CXR

Bit: Tricone

Hammer Wt: 140

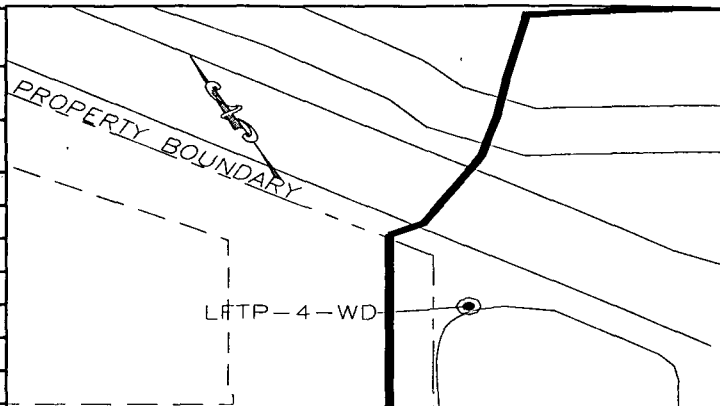
Drop: 30"

Total Depth: 14'

Sampler Type: 2" diameter SS Split Spoon

G.W. Encountered: 12'

G.W. Stabilized: 12'



**BORING LOCATION SKETCH (N.T.S)**

| DEPTH (FT.) | SAMPLE ID<br>AND DEPTH | PID/ID/QUA<br>(METER<br>UNITS) | BLOWS/6.0" | RECOVERY<br>(INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION                               | DEPTH (FT.) |
|-------------|------------------------|--------------------------------|------------|----------------------|-----------|---|-------------|
| 1           |                        |                                |            |                      | Fill      | 0-2' Top Soil, Mulch                                      | 1           |
| 2           |                        | 0.0                            |            | 12                   | CL        | 2-3' Black Stained CLAY, odor, H2S detected with MiniRae. | 2           |
| 3           |                        | 0.0                            |            |                      |           |   | 3           |
| 4           |                        | 0.0                            |            |                      |           | 3-6' No Recovery  | 4           |
| 5           |                        | 0.0                            |            | NR                   |           |   | 5           |
| 6           |                        | 0.0                            |            |                      |           |   | 6           |
| 7           |                        | 0.0                            |            | 20                   |           |   | 7           |
| 8           |                        | 0.0                            |            |                      |           |   | 8           |
| 9           |                        | 0.0                            |            | 20                   |           |   | 9           |
| 10          |                        | 0.0                            |            |                      |           |   | 10          |
| 11          |                        | 0.0                            |            | 19                   | ML        | 10-12' Brown Silt, some Lt. Grey clay (Moist)             | 11          |
| 12          |                        | 0.0                            |            |                      |           |   | 12          |
| 13          |                        | 0.0                            |            | 24                   |           | 12-14' Same (Wet), Strong odor of H2S                     | 13          |
| 14          | LFTP<br>4-WD           | 0.0                            |            |                      |           |   | 14          |
| 15          |                        |                                |            |                      |           | Boring Terminated   | 15          |
| 16          |                        |                                |            |                      |           |   | 16          |
| 17          |                        |                                |            |                      |           |   | 17          |
| 18          |                        |                                |            |                      |           |   | 18          |
| 19          |                        |                                |            |                      |           |   | 19          |
| 20          |                        |                                |            |                      |           |   | 20          |
| 21          |                        |                                |            |                      |           |   | 21          |
| 22          |                        |                                |            |                      |           |   | 22          |
| 23          |                        |                                |            |                      |           |   | 23          |
| 24          |                        |                                |            |                      |           |   | 24          |

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**EWMA Job #:**  
202334

---

**Boring #:**  
LFTP-4-ED

---

**Install Date:**  
4/26/04

**Site Name:** Former Celetex Property

**Site Location:** Edgewater, NJ

**Completion Date:** 4/26/04

**Geologist:** Joe Krulik

Drilling Co.: Summit

**Driller:** Steve Yotkovski/Ronnie Crespo

Drill Rig: GP1100CXR

**Bit:** Tricone

Hammer Wt: 140

Drop: 30"

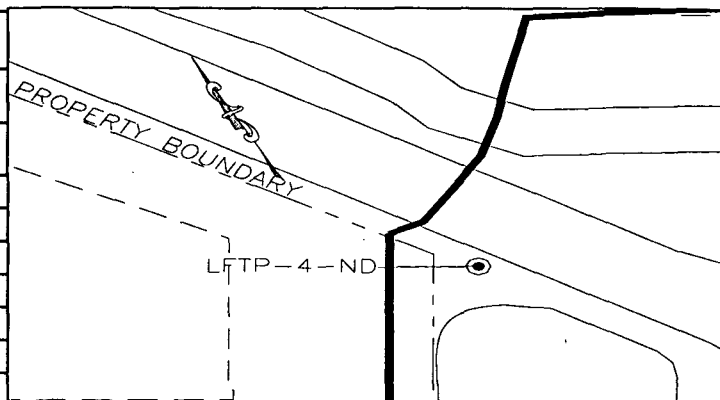
|                     |            |
|---------------------|------------|
| <b>Total Depth:</b> | <b>14'</b> |
|---------------------|------------|

**Sampler Type:** 2" diameter SS Split Spoon

G.W. Encountered: 9'

**G.W. Stabilized: 9'**

**BORING LOCATION SKETCH (N.T.S)**



| DEPTH (FT.) | SAMPLE ID<br>AND DEPTH | PID/ID/QUA<br>(METER<br>UNITS) | BLOWS/6.0" | RECOVERY<br>(INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION | DEPTH (FT.) |    |
|-------------|------------------------|--------------------------------|------------|----------------------|-----------|-----------------------------|-------------|----|
| 1           | LFTP<br>4-ND           |                                |            |                      | Fill      | 0-2' Asphalt, Road Stone    | 1           |    |
| 2           |                        |                                |            |                      |           |                             | 2           |    |
| 3           |                        | 2.0                            |            | 12                   | CL        | 2-13' Lt. Grey Clay (Moist) | 3           |    |
| 4           |                        | 2.1                            |            | NR                   |           |                             |             | 4  |
| 5           |                        | 2.0                            |            |                      |           |                             |             | 5  |
| 6           |                        | 2.4                            |            |                      |           |                             |             | 6  |
| 7           |                        | 0.0                            |            | 12                   |           |                             |             | 7  |
| 8           |                        | 0.0                            |            |                      |           |                             |             | 8  |
| 9           |                        | 0.0                            |            |                      |           |                             |             | 9  |
| 10          |                        | 0.0                            |            | 18                   |           |                             |             | 10 |
| 11          |                        | 0.6                            |            |                      |           |                             |             | 11 |
| 12          |                        | 0.9                            |            |                      |           |                             |             | 12 |
| 13          |                        | 1.4                            |            | 20                   |           |                             |             | 13 |
| 14          |                        | 1.2                            |            |                      |           |                             |             | 14 |
| 15          |                        | 0.0                            |            |                      |           |                             |             | 15 |
| 16          |                        | 0.0                            |            | 20                   |           |                             | 16          |    |
| 17          |                        | 0.0                            |            |                      |           |                             | 17          |    |
| 18          |                        | 1.1                            |            |                      |           |                             | 18          |    |
| 19          |                        | 1.2                            |            |                      |           | 19                          |             |    |
| 20          |                        | 1.3                            |            |                      |           | 20                          |             |    |
| 21          |                        | 0.6                            |            |                      |           | 21                          |             |    |
| 22          |                        | 0.6                            |            |                      |           | 22                          |             |    |
| 23          |                        | 0.6                            |            |                      |           | 23                          |             |    |
| 24          |                        | 0.0                            |            |                      |           | 24                          |             |    |
| 25          |                        |                                |            |                      |           | 25                          |             |    |
| 26          |                        |                                |            |                      |           | 26                          |             |    |
| 27          |                        |                                |            |                      |           | 27                          |             |    |
| 28          |                        |                                |            |                      |           | 28                          |             |    |
| 29          |                        |                                |            |                      |           | 29                          |             |    |
| 30          |                        |                                |            |                      |           | 30                          |             |    |
| 31          |                        |                                |            |                      |           | 31                          |             |    |
| 32          |                        |                                |            |                      |           | 32                          |             |    |
| 33          |                        |                                |            |                      |           | 33                          |             |    |
| 34          |                        |                                |            |                      |           | 34                          |             |    |
| 35          |                        |                                |            |                      |           | 35                          |             |    |
| 36          |                        |                                |            |                      |           | 36                          |             |    |
| 37          |                        |                                |            |                      |           | 37                          |             |    |
| 38          |                        |                                |            |                      |           | 38                          |             |    |
| 39          |                        |                                |            |                      |           | 39                          |             |    |
| 40          |                        |                                |            |                      |           | 40                          |             |    |
| 41          |                        |                                |            |                      |           | 41                          |             |    |
| 42          |                        |                                |            |                      |           | 42                          |             |    |
| 43          |                        |                                |            |                      |           | 43                          |             |    |
| 44          |                        |                                |            |                      |           | 44                          |             |    |
| 45          |                        |                                |            |                      |           | 45                          |             |    |
| 46          |                        |                                |            |                      |           | 46                          |             |    |
| 47          |                        |                                |            |                      |           | 47                          |             |    |
| 48          |                        |                                |            |                      |           | 48                          |             |    |
| 49          |                        |                                |            |                      |           | 49                          |             |    |
| 50          |                        |                                |            |                      |           | 50                          |             |    |
| 51          |                        |                                |            |                      |           | 51                          |             |    |
| 52          |                        |                                |            |                      |           | 52                          |             |    |
| 53          |                        |                                |            |                      |           | 53                          |             |    |
| 54          |                        |                                |            |                      |           | 54                          |             |    |
| 55          |                        |                                |            |                      |           | 55                          |             |    |
| 56          |                        |                                |            |                      |           | 56                          |             |    |
| 57          |                        |                                |            |                      |           | 57                          |             |    |
| 58          |                        |                                |            |                      |           | 58                          |             |    |
| 59          |                        |                                |            |                      |           | 59                          |             |    |
| 60          |                        |                                |            |                      |           | 60                          |             |    |
| 61          |                        |                                |            |                      |           | 61                          |             |    |
| 62          |                        |                                |            |                      |           | 62                          |             |    |
| 63          |                        |                                |            |                      |           | 63                          |             |    |
| 64          |                        |                                |            |                      |           | 64                          |             |    |
| 65          |                        |                                |            |                      |           | 65                          |             |    |
| 66          |                        |                                |            |                      |           | 66                          |             |    |
| 67          |                        |                                |            |                      |           | 67                          |             |    |
| 68          |                        |                                |            |                      |           | 68                          |             |    |
| 69          |                        |                                |            |                      |           | 69                          |             |    |
| 70          |                        |                                |            |                      |           | 70                          |             |    |
| 71          |                        |                                |            |                      |           | 71                          |             |    |
| 72          |                        |                                |            |                      |           | 72                          |             |    |
| 73          |                        |                                |            |                      |           | 73                          |             |    |
| 74          |                        |                                |            |                      |           | 74                          |             |    |
| 75          |                        |                                |            |                      |           | 75                          |             |    |
| 76          |                        |                                |            |                      |           | 76                          |             |    |
| 77          |                        |                                |            |                      |           | 77                          |             |    |
| 78          |                        |                                |            |                      |           | 78                          |             |    |
| 79          |                        |                                |            |                      |           | 79                          |             |    |
| 80          |                        |                                |            |                      |           | 80                          |             |    |
| 81          |                        |                                |            |                      |           | 81                          |             |    |
| 82          |                        |                                |            |                      |           | 82                          |             |    |
| 83          |                        |                                |            |                      |           | 83                          |             |    |
| 84          |                        |                                |            |                      |           | 84                          |             |    |
| 85          |                        |                                |            |                      |           | 85                          |             |    |
| 86          |                        |                                |            |                      |           | 86                          |             |    |
| 87          |                        |                                |            |                      |           | 87                          |             |    |
| 88          |                        |                                |            |                      |           | 88                          |             |    |
| 89          |                        |                                |            |                      |           | 89                          |             |    |
| 90          |                        |                                |            |                      |           | 90                          |             |    |
| 91          |                        |                                |            |                      |           | 91                          |             |    |
| 92          |                        |                                |            |                      |           | 92                          |             |    |
| 93          |                        |                                |            |                      |           | 93                          |             |    |
| 94          |                        |                                |            |                      |           | 94                          |             |    |
| 95          |                        |                                |            |                      |           | 95                          |             |    |
| 96          |                        |                                |            |                      |           | 96                          |             |    |
| 97          |                        |                                |            |                      |           | 97                          |             |    |
| 98          |                        |                                |            |                      |           | 98                          |             |    |
| 99          |                        |                                |            |                      |           | 99                          |             |    |
| 100         |                        |                                |            |                      |           | 100                         |             |    |



**Environmental Waste  
Management Associates, LLC**

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Phone: (973) 560-1400 Fax: (973) 560-0400

EWMA Job #:  
202334  
Boring #:  
LFTP-4-V  
Install Date:  
4/26/04

Site Name: Former Celetex Property

Site Location: Edgewater, NJ

Completion Date: 4/26/04

Geologist: Joe Krulik

Drilling Co.: Summit

Driller: Steve Yotkovski/Ronnie Crespo

Drill Rig: GP1100CXR

Bit: Tricone

Hammer Wt: 140

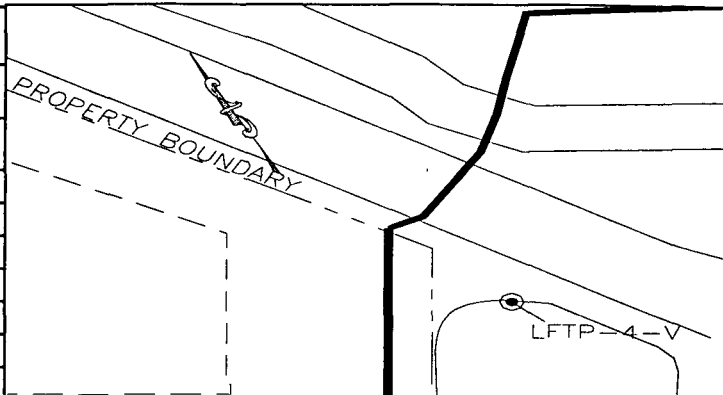
Drop: 30"

Total Depth: 26'

Sampler Type: 2" diameter SS Split Spoon

G.W. Encountered: 13'

G.W. Stabilized: 13'



**BORING LOCATION SKETCH (N.T.S)**

| DEPTH (FT.) | SAMPLE ID<br>AND DEPTH | PID/ID/QUA<br>(METER<br>UNITS) | BLOWS/6.0" | RECOVERY<br>(INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION                  | DEPTH (FT.) |
|-------------|------------------------|--------------------------------|------------|----------------------|-----------|--|-------------|
| 1           |                        |                                |            |                      | Fill      | 0-2' Asphalt, Road Stone                     | 1           |
| 2           |                        | 0.0                            |            | 12                   | CL        | 2-15' Lt. Grey Clay (Moist)                  | 2           |
| 3           |                        | 0.0                            |            |                      |           |  | 3           |
| 4           |                        | 0.0                            |            | 20                   |           |  | 4           |
| 5           |                        | 0.0                            |            |                      |           |  | 5           |
| 6           |                        | 0.0                            |            | 18                   |           |  | 6           |
| 7           |                        | 0.0                            |            |                      |           |  | 7           |
| 8           |                        | 0.0                            |            | 20                   |           |  | 8           |
| 9           |                        | 0.0                            |            |                      |           |  | 9           |
| 10          |                        | 0.0                            |            | 20                   |           |  | 10          |
| 11          |                        | 0.0                            |            |                      |           |  | 11          |
| 12          |                        | 0.0                            |            | 20                   |           |  | 12          |
| 13          |                        | 0.0                            |            |                      |           |  | 13          |
| 14          |                        | 0.0                            |            | 2"                   |           | Wet @ 13'.<br>Slight odor                    | 14          |
| 15          |                        | 1.8                            |            |                      |           | Drilled from 15-22', hard object.            | 15          |
| 16          |                        |                                |            | NR                   |           |  | 16          |
| 17          |                        |                                |            |                      |           |  | 17          |
| 18          |                        |                                |            | NR                   |           |  | 18          |
| 19          |                        |                                |            |                      |           |  | 19          |
| 20          |                        |                                |            | NR                   |           |  | 20          |
| 21          |                        |                                |            |                      |           |  | 21          |
| 22          |                        |                                |            | 2                    |           | 22-24' Brown f-GRAVEL, brick fragments (Wet) | 22          |
| 23          |                        |                                |            |                      |           |  | 23          |
| 24          |                        |                                |            | 8                    |           | 24-26' Brown f-GRAVEL, trace c-sand (Wet)    | 24          |



**Environmental Waste  
Management Associates, LLC**

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EWMA Job #:  
202334  
Boring #:  
LFTP-3-V  
Install Date:  
4/26/04

Site Name: Former Celetex Property

Site Location: Edgewater, NJ

Completion Date: 4/26/04

Geologist: Joe Krulik

Drilling Co.: Summit

Driller: Steve Yotkovski/Ronnie Crespo

Drill Rig: GP1100CXR

Bit: Tricone

Hammer Wt: 140

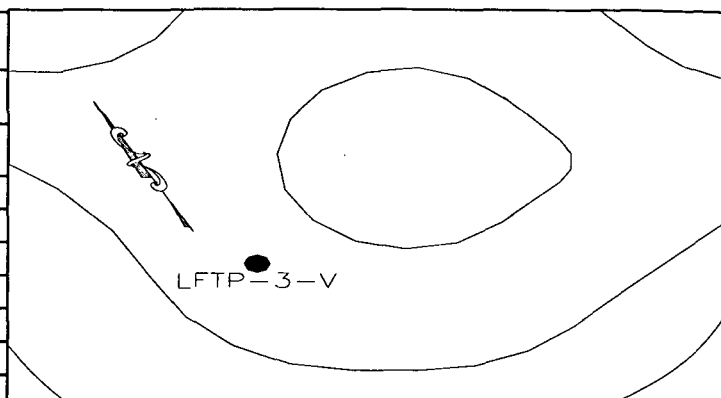
Drop: 30"

Total Depth: 30'

Sampler Type: 2" diameter SS Split Spoon

G.W. Encountered:

G.W. Stabilized:



**BORING LOCATION SKETCH (N.T.S)**

| DEPTH (FT.) | SAMPLE ID<br>AND DEPTH | PID/ID/QUA<br>(METER<br>UNITS) | BLOWS/6.0" | RECOVERY<br>(INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION   | DEPTH (FT.) |
|-------------|------------------------|--------------------------------|------------|----------------------|-----------|---|-------------|
| 1           |                        |                                |            |                      | Fill      | 0-2' Red Brick (driveway), Road Stone   | 1           |
| 2           |                        |                                |            |                      |           |   | 2           |
| 3           |                        | 126                            |            | 24                   | CL        | 2-25' Lt. Grey Clay (Moist), H2S readings in soil 67, 175, 157, 151<br>Strong odor in air, Health and Safety Officer ordered drillers into Level B.<br>Due to proximity to residential apartments, no split spoons collected.<br>Drilled to 25' | 3           |
| 4           |                        | 426                            |            |                      |           |   | 4           |
| 5           |                        | 371                            |            |                      |           |   | 5           |
| 6           |                        | 569                            |            |                      |           |   | 6           |
| 7           |                        | NR                             |            | NS                   |           |   | 7           |
| 8           |                        | NR                             |            |                      |           |   | 8           |
| 9           |                        | NR                             |            |                      |           |   | 9           |
| 10          |                        | NR                             |            | NS                   |           |   | 10          |
| 11          |                        | NR                             |            |                      |           |   | 11          |
| 12          |                        | NR                             |            |                      |           |   | 12          |
| 13          |                        | NR                             |            | NS                   |           |   | 13          |
| 14          |                        | NR                             |            |                      |           |   | 14          |
| 15          |                        | NR                             |            | NS                   |           |   | 15          |
| 16          |                        | NR                             |            |                      |           |   | 16          |
| 17          |                        | NR                             |            | NR                   |           |   | 17          |
| 18          |                        | NR                             |            |                      |           |   | 18          |
| 19          |                        | NR                             |            | NR                   |           |   | 19          |
| 20          |                        | NR                             |            |                      |           |   | 20          |
| 21          |                        | NR                             |            | NR                   |           |   | 21          |
| 22          |                        | NR                             |            |                      |           |   | 22          |
| 23          |                        | NR                             |            | NR                   |           |   | 23          |
| 24          |                        | NR                             |            |                      |           |   | 24          |
|             |                        | NR                             |            | NR                   |           |   |             |
|             |                        | NR                             |            |                      |           |   |             |





**Environmental Waste  
Management Associates, LLC**

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EWMA Job #:  
202334  
Boring #:  
LFTP-3-V  
Install Date:  
4/26/04

Site Name: Former Celetex Property

Site Location: Edgewater, NJ

Completion Date: 4/26/04

Geologist: Joe Krulik

Drilling Co.: Summit

Driller: Steve Yotkovski/Ronnie Crespo

Drill Rig: GP1100CXR

Bit: Tricone

Hammer Wt: 140

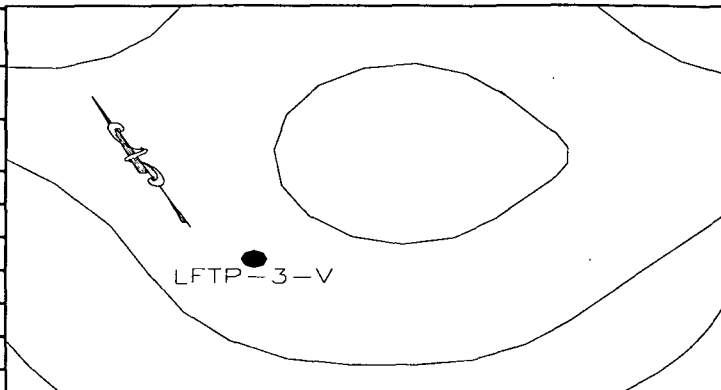
Drop: 30"

Total Depth: 30'

Sampler Type: 2" diameter SS Split Spoon

G.W. Encountered:

G.W. Stabilized:



**BORING LOCATION SKETCH (N.T.S)**

| DEPTH (FT.) | SAMPLE ID<br>AND DEPTH | PID/ID/QUA<br>(METER<br>UNITS) | BLOWS/6.0" | RECOVERY<br>(INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION                          | DEPTH (FT.) |
|-------------|------------------------|--------------------------------|------------|----------------------|-----------|--|-------------|
| 26          | LFTP-<br>3-V           |                                |            | 2                    |           | 25-27' Lt. Grey CLAY (Wet)                           | 26          |
| 27          |                        |                                |            |                      |           |  | 27          |
| 28          |                        |                                |            | 24                   | CH        | 27-29' Black CLAY, highly plastic, slight odor (Wet) | 28          |
| 29          |                        |                                |            |                      |           |  | 29          |
| 30          |                        |                                |            |                      |           | Boring Terminated                                    | 30          |
| 31          |                        |                                |            |                      |           |  | 31          |
| 32          |                        |                                |            |                      |           |  | 32          |
| 33          |                        |                                |            |                      |           |  | 33          |
| 34          |                        |                                |            |                      |           |  | 34          |
| 35          |                        |                                |            |                      |           |  | 35          |
| 36          |                        |                                |            |                      |           |  | 36          |
| 37          |                        |                                |            |                      |           |  | 37          |
| 38          |                        |                                |            |                      |           |  | 38          |
| 39          |                        |                                |            |                      |           |  | 39          |
| 40          |                        |                                |            |                      |           |  | 40          |
| 41          |                        |                                |            |                      |           |  | 41          |
| 42          |                        |                                |            |                      |           |  | 42          |
| 43          |                        |                                |            |                      |           |  | 43          |
| 44          |                        |                                |            |                      |           |  | 44          |
| 45          |                        |                                |            |                      |           |  | 45          |
| 46          |                        |                                |            |                      |           |  | 46          |
| 47          |                        |                                |            |                      |           |  | 47          |
| 48          |                        |                                |            |                      |           |  | 48          |
| 49          |                        |                                |            |                      |           |  | 49          |



**Environmental Waste  
Management Associates, LLC**

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Phone: (973) 560-1400 Fax: (973) 560-0400

EWMA Job #:

202334

Boring #:

LFHD-1

Install Date:

4/27/04

Site Name: Former Celetex Property

Site Location: Edgewater, NJ

Completion Date: 4/27/04

Geologist: Joe Krulik

Drilling Co.: Summit

Driller: Steve Yotkovski/Ronnie Crespo

Drill Rig: GP1100CXR

Bit: Tricone

Hammer Wt: 140

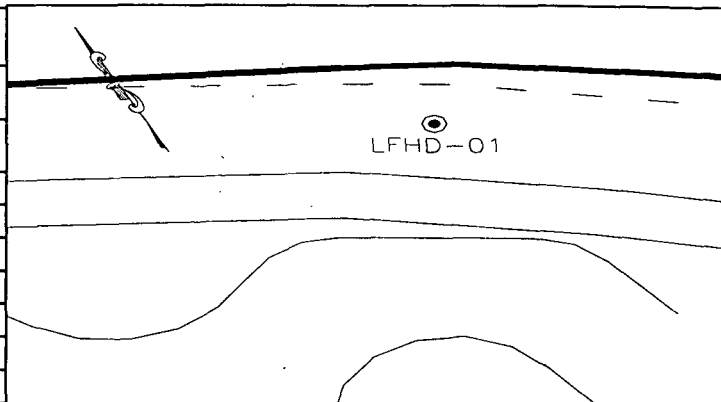
Drop: 30"

Total Depth: 26'

Sampler Type: 2" diameter SS Split Spoon

G.W. Encountered:

G.W. Stabilized:



**BORING LOCATION SKETCH (N.T.S)**

| DEPTH (FT.) | SAMPLE ID<br>AND DEPTH | PID/ID/OUA<br>(METER<br>UNITS) | BLOWS/6.0" | RECOVERY<br>(INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION      | DEPTH (FT.) |
|-------------|------------------------|--------------------------------|------------|----------------------|-----------|----------------------------------|-------------|
| 1           |                        |                                |            |                      |           | 0-24' Lt. Grey CLAY              | 1           |
| 2           |                        |                                |            |                      |           |                                  | 2           |
| 3           |                        |                                |            |                      |           |                                  | 3           |
| 4           |                        |                                |            |                      |           |                                  | 4           |
| 5           |                        |                                |            |                      |           |                                  | 5           |
| 6           |                        |                                |            |                      |           |                                  | 6           |
| 7           |                        |                                |            |                      |           |                                  | 7           |
| 8           |                        |                                |            |                      |           |                                  | 8           |
| 9           |                        |                                |            |                      |           |                                  | 9           |
| 10          |                        |                                |            |                      |           |                                  | 10          |
| 11          |                        |                                |            |                      |           |                                  | 11          |
| 12          |                        |                                |            |                      |           |                                  | 12          |
| 13          |                        |                                |            |                      |           |                                  | 13          |
| 14          |                        |                                |            |                      |           |                                  | 14          |
| 15          |                        |                                |            |                      |           |                                  | 15          |
| 16          |                        |                                |            |                      |           |                                  | 16          |
| 17          |                        |                                |            |                      |           |                                  | 17          |
| 18          |                        |                                |            |                      |           |                                  | 18          |
| 19          |                        |                                |            |                      |           |                                  | 19          |
| 20          |                        |                                |            |                      |           |                                  | 20          |
| 21          |                        |                                |            |                      |           |                                  | 21          |
| 22          |                        |                                |            |                      |           |                                  | 22          |
| 23          |                        |                                |            |                      |           |                                  | 23          |
| 24          |                        |                                |            |                      |           |                                  | 24          |
| LFHD<br>1   |                        |                                |            | 24                   |           | 24-26' Black CLAY, plastic (Wet) |             |



**Environmental Waste  
Management Associates, LLC**

PO Box 5430, Parsippany, NJ, 07054  
Phone: (973) 560-1400 Fax: (973) 560-0400

EWMA Job #:  
202334  
Boring #:  
LFHD-2  
Install Date:  
4/27/04

Site Name: Former Celetex Property

Site Location: Edgewater, NJ

Completion Date: 4/27/04

Geologist: Joe Krulik

Drilling Co.: Summit

Driller: Steve Yotkovski/Ronnie Crespo

Drill Rig: GP1100CXR

Bit: Tricone

Hammer Wt: 140

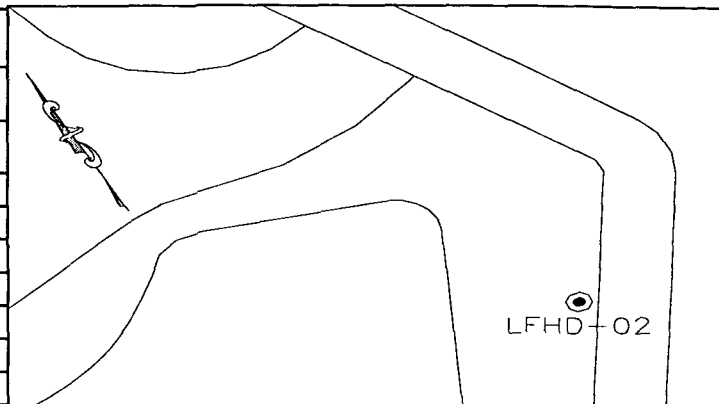
Drop: 30"

Total Depth: 26'

Sampler Type: 2" diameter SS Split Spoon

G.W. Encountered:

G.W. Stabilized:



**BORING LOCATION SKETCH (N.T.S)**

| DEPTH (FT.) | SAMPLE ID<br>AND DEPTH | PID/FID/OUA<br>(METER<br>UNITS) | BLOWS/6.0" | RECOVERY<br>(INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION                     | DEPTH (FT.) |
|-------------|------------------------|---------------------------------|------------|----------------------|-----------|---|-------------|
| 1           |                        |                                 |            |                      |           | 0-24' Lt. Grey CLAY                             | 1           |
| 2           |                        |                                 |            |                      |           |   | 2           |
| 3           |                        |                                 |            |                      |           |   | 3           |
| 4           |                        |                                 |            |                      |           |   | 4           |
| 5           |                        |                                 |            |                      |           |   | 5           |
| 6           |                        |                                 |            |                      |           |   | 6           |
| 7           |                        |                                 |            |                      |           |   | 7           |
| 8           |                        |                                 |            |                      |           |   | 8           |
| 9           |                        |                                 |            |                      |           |   | 9           |
| 10          |                        |                                 |            |                      |           |   | 10          |
| 11          |                        |                                 |            |                      |           |   | 11          |
| 12          |                        |                                 |            |                      |           |   | 12          |
| 13          |                        |                                 |            |                      |           |   | 13          |
| 14          |                        |                                 |            |                      |           |   | 14          |
| 15          |                        |                                 |            |                      |           |   | 15          |
| 16          |                        |                                 |            |                      |           |   | 16          |
| 17          |                        |                                 |            |                      |           |   | 17          |
| 18          |                        |                                 |            |                      |           |   | 18          |
| 19          |                        |                                 |            |                      |           |   | 19          |
| 20          |                        |                                 |            |                      |           |   | 20          |
| 21          |                        |                                 |            |                      |           |   | 21          |
| 22          |                        |                                 |            |                      |           |   | 22          |
| 23          |                        |                                 |            |                      |           |   | 23          |
| 24          |                        |                                 |            |                      |           |   | 24          |
| LFHD<br>2   |                        | >1,000                          |            |                      |           | 24-26' Lt. Grey CLAY, (Wet) H2S 150 ppm in soil |             |



**Environmental Waste  
Management Associates, LLC**

PO Box 5430, Parsippany, NJ, 07054  
Phone: (973) 560-1400 Fax: (973) 560-0400

EWMA Job #:

202334

Boring #:

LFHD-2

Install Date:

4/27/04

Site Name: Former Celetex Property

Site Location: Edgewater, NJ

Completion Date: 4/27/04

Geologist: Joe Krulik

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Drill Rig: GP1100CXR

Bit: Tricone

Hammer Wt: 140

Drop: 30"

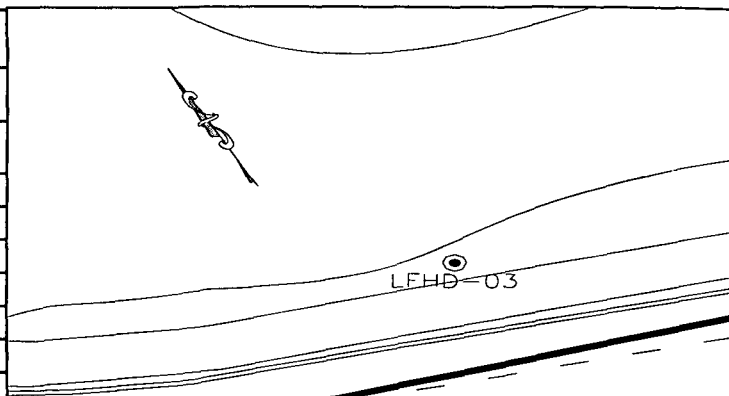
Total Depth: 26'

Sampler Type: 2" diameter SS Split Spoon

G.W. Encountered:

G.W. Stabilized:

BORING LOCATION SKETCH (N.T.S)



| DEPTH (FT.) | SAMPLE ID<br>AND DEPTH | PID/ID/OUA<br>(METER<br>UNITS) | BLOWS/6.0' | RECOVERY<br>(INCHES) | SOIL TYPE | SOIL/GEOLOGICAL DESCRIPTION        | DEPTH (FT.) |
|-------------|------------------------|--------------------------------|------------|----------------------|-----------|------------------------------------|-------------|
| 1           |                        |                                |            |                      |           | 0-24' Lt. Grey CLAY                | 1           |
| 2           |                        |                                |            |                      |           |                                    | 2           |
| 3           |                        |                                |            |                      |           |                                    | 3           |
| 4           |                        |                                |            |                      |           |                                    | 4           |
| 5           |                        |                                |            |                      |           |                                    | 5           |
| 6           |                        |                                |            |                      |           |                                    | 6           |
| 7           |                        |                                |            |                      |           |                                    | 7           |
| 8           |                        |                                |            |                      |           |                                    | 8           |
| 9           |                        |                                |            |                      |           |                                    | 9           |
| 10          |                        |                                |            |                      |           |                                    | 10          |
| 11          |                        |                                |            |                      |           |                                    | 11          |
| 12          |                        |                                |            |                      |           |                                    | 12          |
| 13          |                        |                                |            |                      |           |                                    | 13          |
| 14          |                        |                                |            |                      |           |                                    | 14          |
| 15          |                        |                                |            |                      |           |                                    | 15          |
| 16          |                        |                                |            |                      |           |                                    | 16          |
| 17          |                        |                                |            |                      |           |                                    | 17          |
| 18          |                        |                                |            |                      |           |                                    | 18          |
| 19          |                        |                                |            |                      |           |                                    | 19          |
| 20          |                        |                                |            |                      |           |                                    | 20          |
| 21          |                        |                                |            |                      |           |                                    | 21          |
| 22          |                        |                                |            |                      |           |                                    | 22          |
| 23          |                        |                                |            |                      |           |                                    | 23          |
| 24          |                        |                                |            |                      |           |                                    | 24          |
|             | LFHD<br>3              |                                |            |                      |           | 24-26' Black CLAY, plastic (Moist) |             |







## ANALYTICAL DATA REPORT

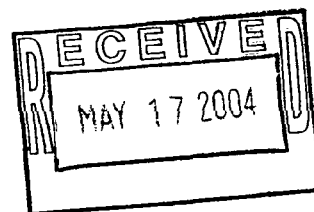
Environmental Waste Management Associates, LLC.  
Lanidex Center  
100 Misty Lane  
Parsippany, NJ 07054

Project Name: **FORMER CELOTEX - EDGEWATER -**  
**202334**  
IAL Case Number: **E04-03710**

These data have been reviewed and accepted by:

A handwritten signature in black ink that reads "Michael Leftin". The signature is written in a cursive, flowing style.

Michael H. Leftin, Ph.D.  
Laboratory Director



273 Franklin Road  
Randolph, NJ 07869  
Phone: 973 361 4252  
Fax: 973 989 5288



IAL is a NELAC New Jersey Certified Lab (14751) and maintains certification in Connecticut (PH-0699), New York (11402), Rhode Island (20125), Florida (E97670) and in the Department of Navy IR QA Program.

# Sample Summary

Case No. **E04-03710**

Project Name FORMER CELOTEX - EDGEWATER - 202334

Customer EWMA - HQ

Received On 4/27/2004@19:55

| <u>Lab ID</u> | <u>Client Sample ID</u> | <u>Depth Top / Bottom</u> | <u>Sampling Time</u> | <u>Matrix</u> | <u># of Cont.</u> |
|---------------|-------------------------|---------------------------|----------------------|---------------|-------------------|
| 03710-001     | LFTP-4-ED               | 13 / 13.5                 | 4/26/2004@14:00      | Soil          | 1                 |
| 03710-002     | LFTP-4-ND               | 13 / 13.5                 | 4/26/2004@13:15      | Soil          | 1                 |
| 03710-003     | LFTP-4-WD               | 13 / 13.5                 | 4/26/2004@14:40      | Soil          | 1                 |
| 03710-004     | LFTP-4-V                | 25 / 26                   | 4/26/2004@15:40      | Soil          | 1                 |
| 03710-005     | LFTP-3-V                | 27 / 29                   | 4/27/2004@11:30      | Soil          | 1                 |
| 03710-006     | LFHD-1                  | 25 / 26                   | 4/27/2004@13:30      | Soil          | 1                 |
| 03710-007     | LFHD-2                  | 25 / 26                   | 4/27/2004@14:00      | Soil          | 1                 |
| 03710-008     | LFHD-3                  | 25 / 26                   | 4/27/2004@15:15      | Soil          | 1                 |

# INTEGRATED ANALYTICAL LABORATORIES, LLC.

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\* Methodology is included in the IAL Project Information Page

## INTEGRATED ANALYTICAL LABORATORIES, LLC.

### MATRIX QUALIFIERS

- A - Indicates the sample is an Aqueous matrix.
- O - Indicates the sample is an Oil matrix.
- S - Indicates the sample is a Soil, Sludge or Sediment matrix.
- X - Indicates the sample is an Other matrix as indicated by Client Chain of Custody.

### DATA QUALIFIERS

- B - Indicates the analyte was found in the Blank and in the sample. It indicates possible sample contamination and warns the data user to use caution when applying the results of the analyte.
- C - Common Laboratory Contaminant.
- D - The compound was reported from the Diluted analysis.
- D.F. - Dilution Factor.
- E - Estimated concentration, reported results are outside the calibrated range of the instrument.
- J - Indicates an estimated value. The compound was detected at a value below the method detection limit but greater than zero. For GC/MS procedures, the mass spectral data meets the criteria required to identify the target compound.
- MDL - Method Detection Limit.
- MI - Indicates compound concentration could not be determined due to Matrix Interferences.
- NA - Not Applicable.
- ND - Indicates the compound was analyzed for but Not Detected at the MDL.

### REPORT QUALIFIERS

All solid sample analyses are reported on a dry weight basis.

All solid sample values are corrected for original sample size and percent solids.

INTEGRATED ANALYTICAL LABORATORIES, LLC.

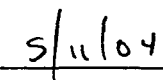
CONFORMANCE / NONCONFORMANCE SUMMARY

Integrated Analytical Laboratories, LLC. received eight (8) soil sample(s) from Environmental Waste Management Associates, LLC. (Project: FORMER CELOTEX - EDGEWATER - 202334) on April 27, 2004 for the analysis of:

(8) PCB  
(3) Metal - Arsenic  
(3) Metal - Lead

A review of the QA/QC measures for the analysis of the sample(s) contained in this report has been performed by:

  
Reviewed by

  
Date

INTEGRATED ANALYTICAL LABORATORIES, LLC.

LABORATORY DELIVERABLES CHECK LIST

Lab Case Number: E04-03710

|  | Check If<br>Complete |
|--|----------------------|
| 1. Cover Page, Title Page listing Lab Certification #, facility name & address and date of report preparation. | <u>✓</u>             |
| 2. Table of Contents.  | <u>✓</u>             |
| 3. Summary Sheets listing analytical results for all targeted and non-targeted compounds.                      | <u>✓</u>             |
| 4. Summary Table cross-referencing Field ID's vs. Lab ID's.  | <u>✓</u>             |
| 5. Document bound, paginated and legible.  | <u>✓</u>             |
| 6. Chain of Custody.   | <u>✓</u>             |
| 7. Methodology Summary.  | <u>✓</u>             |
| 8. Laboratory Chronicle and Holding Time Check.  | <u>✓</u>             |
| 9. Results submitted on a dry weight basis (if applicable).  | <u>✓</u>             |
| 10. Method Detection Limits.   | <u>✓</u>             |
| 11. Lab certified by NJDEP for parameters or appropriate category of parameters or a member of the USEPA CLP.  | <u>✓</u>             |
| 12. NonConformance Summary.  | <u>✓</u>             |

MC Johnson  
QC Reviewed by

5/11/04  
Date

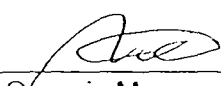
**INTEGRATED ANALYTICAL LABORATORIES**  
**CONFORMANCE/NONCONFORMANCE SUMMARY**  
**GC ANALYSIS - PCB'S**

Lab Case Number:

E04 - 03710

- |  | <u>No</u>         | <u>Yes</u>        |
|--|-------------------|-------------------|
| 1. Chromatograms Labeled/Compounds Identified (Field Samples and Method Blanks).   | <u>          </u> | <u>✓</u>          |
| 2. Standards Summary submitted.  | <u>          </u> | <u>✓</u>          |
| 3. Calibration - Initial calibration performed within 30 days before sample analysis and continuing calibration performed within 12 hrs of the sample analysis.              | <u>          </u> | <u>✓</u>          |
| 4. Blank Contamination - If yes, list compounds and concentrations in each blank:<br><br>_____   | <u>✓</u>          | <u>          </u> |
| 5. Surrogate Recoveries meet criteria (if applicable).<br>If not met, list those compounds and their recoveries which fall outside the acceptable range:<br><br>_____        | <u>          </u> | <u>✓</u>          |
| 6. Matrix Spike/Matrix Spike Duplicate meet criteria (if not, list those compounds and their recoveries/% differences which fall outside the acceptable range):<br><br>_____ | <u>          </u> | <u>✓</u>          |
| 7. Retention Time Shift Meet Criteria (if applicable).   | <u>          </u> | <u>✓</u>          |
| 8. Extraction Holding Time Met.<br>If not met, list number of days exceeded for each sample:<br><br>_____<br>_____   | <u>          </u> | <u>✓</u>          |
| 9. Analysis Holding Time Met.<br>If not met, list number of days exceeded for each sample:<br><br>_____<br>_____   | <u>          </u> | <u>✓</u>          |

Comments:  
  
\_\_\_\_\_  
\_\_\_\_\_

  
\_\_\_\_\_  
Organic Manager

05-03-04  
\_\_\_\_\_  
Date





**INTEGRATED ANALYTICAL LABORATORIES, LLC.**

**SUMMARY REPORT**

Client: Environmental Waste Management Associates, LLC.

Project: FORMER CELOTEX - EDGEWATER - 202334

Lab Case No.: E04-03710

|                           |                   |                   |                   |                   |
|---------------------------|-------------------|-------------------|-------------------|-------------------|
| <b>Lab ID:</b>            | <b>03710-001</b>  | <b>03710-002</b>  | <b>03710-003</b>  | <b>03710-004</b>  |
| <b>Client ID:</b>         | <b>LFTP-4-ED</b>  | <b>LFTP-4-ND</b>  | <b>LFTP-4-WD</b>  | <b>LFTP-4-V</b>   |
| <b>Depth:</b>             | <b>13/13.5</b>    | <b>13/13.5</b>    | <b>13/13.5</b>    | <b>25/26</b>      |
| <b>Matrix:</b>            | <b>Soil</b>       | <b>Soil</b>       | <b>Soil</b>       | <b>Soil</b>       |
| <b>Sampled Date</b>       | <b>4/26/04</b>    | <b>4/26/04</b>    | <b>4/26/04</b>    | <b>4/26/04</b>    |
| <b>PARAMETER(Units)</b>   | <b>Conc Q MDL</b> | <b>Conc Q MDL</b> | <b>Conc Q MDL</b> | <b>Conc Q MDL</b> |
| <b>PCB's (mg/Kg-ppm)</b>  |                   |                   |                   |                   |
| Aroclor-1016              | ND 0.018          | ND 0.017          | ND 0.023          | ND 0.020          |
| Aroclor-1221              | ND 0.018          | ND 0.017          | ND 0.023          | ND 0.020          |
| Aroclor-1232              | ND 0.018          | ND 0.017          | ND 0.023          | ND 0.020          |
| Aroclor-1242              | ND 0.018          | ND 0.017          | ND 0.023          | ND 0.020          |
| Aroclor-1248              | ND 0.018          | ND 0.017          | ND 0.023          | ND 0.020          |
| Aroclor-1254              | ND 0.018          | 0.573 0.017       | ND 0.023          | ND 0.020          |
| Aroclor-1260              | ND 0.018          | ND 0.017          | ND 0.023          | ND 0.020          |
| <b>Lab ID:</b>            | <b>03710-005</b>  | <b>03710-006</b>  | <b>03710-007</b>  | <b>03710-008</b>  |
| <b>Client ID:</b>         | <b>LFTP-3-V</b>   | <b>LFHD-1</b>     | <b>LFHD-2</b>     | <b>LFHD-3</b>     |
| <b>Depth:</b>             | <b>27/29</b>      | <b>25/26</b>      | <b>25/26</b>      | <b>25/26</b>      |
| <b>Matrix:</b>            | <b>Soil</b>       | <b>Soil</b>       | <b>Soil</b>       | <b>Soil</b>       |
| <b>Sampled Date</b>       | <b>4/27/04</b>    | <b>4/27/04</b>    | <b>4/27/04</b>    | <b>4/27/04</b>    |
| <b>PARAMETER(Units)</b>   | <b>Conc Q MDL</b> | <b>Conc Q MDL</b> | <b>Conc Q MDL</b> | <b>Conc Q MDL</b> |
| <b>PCB's (mg/Kg-ppm)</b>  |                   |                   |                   |                   |
| Aroclor-1016              | ND 0.023          | ND 0.024          | ND 0.023          | ND 0.023          |
| Aroclor-1221              | ND 0.023          | ND 0.024          | ND 0.023          | ND 0.023          |
| Aroclor-1232              | ND 0.023          | ND 0.024          | ND 0.023          | ND 0.023          |
| Aroclor-1242              | ND 0.023          | ND 0.024          | ND 0.023          | ND 0.023          |
| Aroclor-1248              | ND 0.023          | ND 0.024          | ND 0.023          | ND 0.023          |
| Aroclor-1254              | ND 0.023          | ND 0.024          | ND 0.023          | ND 0.023          |
| Aroclor-1260              | ND 0.023          | ND 0.024          | ND 0.023          | ND 0.023          |
| <b>Metals (mg/Kg-ppm)</b> |                   |                   |                   |                   |
| Arsenic                   | ~ ~               | 74.5 1.58         | 15.3 1.54         | 243 1.60          |
| Lead                      | ~ ~               | 198 0.792         | 18.5 0.771        | 268 0.799         |

~ = Sample not analyzed for

ND = Analyzed for but Not Detected at the MDL

INTEGRATED ANALYTICAL LABORATORIES  
CHAIN OF CUSTODY

273 Franklin Rd  
Randolph, NJ 07869

CLIENT & PROJECT

|   |                           |
|---|---------------------------|
| Company Name: <u>EWMA-P</u>                   | Fax to: <u>EWMA-P</u>     |
| Address:                                      | Report to:                |
| Address:                                      | Address:                  |
| Telephone #:                                  | Invoice to: <u>EWMA-P</u> |
| Fax #:  | Address:                  |
| Project Name: <u>Former Celotex-Edgewater</u> |                           |
| Project Manager: <u>P. Schatz</u>             |                           |
| Reference ID#: <u>202334</u> PO#: <u>6422</u> |                           |

REPORTING

Turnaround Time

Conditional / TPHC

24 hr\* 48 hr 72 hr 1 wk NA Other:

Verbal/Fax

24 hr\* 48 hr\* 72 hr\* 1 wk\* 2 wk\* Other: STD

Hard Copy

72 hr\* 1 wk\* 2 wk\* 3 wk\* Other: STD

\*Prior to sample arrival, Lab notification is required.

Report Format

Results Only

Reduced

Regulatory

SRP Disk\*\*: dbf or wki

Other:

ANALYTICAL PARAMETERS / PRESERVATIVES

\*\* Circle format required

| 1 2 3                       | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | 1 2 3 | Preservatives                             |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|
| 4 5 6                       | 4 5 6 | 4 5 6 | 4 5 6 | 4 5 6 | 4 5 6 | 4 5 6 | 4 5 6 | 4 5 6 | 4 5 6 |   |
| <u>Pcb</u><br><u>As, Pb</u> |       |       |       |       |       |       |       |       |       | 1. HCL 3. HNO <sub>3</sub>                |
|                             |       |       |       |       |       |       |       |       |       | 2. NaOH 4. H <sub>2</sub> SO <sub>4</sub> |
|                             |       |       |       |       |       |       |       |       |       | 5. MeOH 6. Other                          |
|                             |       |       |       |       |       |       |       |       |       | COOLER TEMP. °C                           |
|                             |       |       |       |       |       |       |       |       |       | Comments                                  |

SAMPLE INFORMATION

SAMPLE MATRIX  
W - Waste SL - Sludge A - Aqueous  
O - Oil X - Other S - Soil  
GW - Groundwater SOL - Solid

| Sample ID | Sample Description | Date    | Sampling |    |    | Matrix | # of Containers | Lab ID |
|-----------|--------------------|---------|----------|----|----|--------|-----------------|--------|
|           |                    |         | Time     | am | pm |        |                 |        |
| LFTP-4-ED | 13-13.5            | 4/24/04 | 1400     | X  |    | SO     | 1               | 1      |
| LFTP-4-ND | 13-13.5            |         | 1315     | X  |    |        |                 | 2      |
| LFTP-4-WD | 13-13.5            |         | 1440     | X  |    |        |                 | 3      |
| LFTP-4-V  | 25-26              |         | 1540     | X  |    |        |                 | 4      |
| LFTP-3-V  | 27-29              | 4/27/04 | 1130     | X  |    |        |                 | 5      |
| LFITD-1   | 25-26              |         | 1330     | X  |    |        |                 | 6      |
| LFITD-2   | 25-26              |         | 1400     | X  |    |        |                 | 7      |
| LFITD-3   | 25-26              |         | 1515     | X  |    |        |                 | 8      |

Please print legibly and fill out completely. Samples cannot be processed and the turnaround time will not start until any ambiguities have been resolved.

Concentrations Expected

Known Hazard: yes no

LOW MED HIGH

Describe:

CUSTODY LOG

| Signature                           | Date    | Time | Signature                       |
|-------------------------------------|---------|------|---------------------------------|
| Relinquished by: <u>[Signature]</u> | 4/27/04 | 1625 | Received by: <u>[Signature]</u> |
| Relinquished by: <u>[Signature]</u> | 4/27/04 | 1955 | Received by: <u>[Signature]</u> |
| Relinquished by:                    |         |      | Received by:                    |
| Relinquished by:                    |         |      | Received by:                    |
| Relinquished by:                    |         |      | Received by:                    |

Comments: \* High H<sub>2</sub>S in samples

Lab Case #

3710

PAGE: 1

OF 1

# PROJECT INFORMATION



Case No. **E04-03710**

Project **FORMER CELOTEX - EDGEWATER - 202334**

Customer **EWMA - HQ**

P.O. # **L6422**

Contact **Paul Schatz**

Received **4/27/2004 19:55**

E-Mail **Paul.Schatz@ewma.com**

☒ E-Mail EDDs

Verbal Due **5/12/2004**

Phone **(973) 560-1400**

Fax **1(973) 560-0400**

Report Due **5/19/2004**

**Report To**

**Bill To**

Lanidex Center

Lanidex Center

100 Misty Lane

100 Misty Lane

Parsippany, NJ 07054

Parsippany, NJ 07054

Attn: Paul Schatz

Attn: Paul Schatz

**Report Format Reduced**

**Additional Info**

☐ State Form

☐ Field Sampling

☐ Conditional VOA

| Lab ID    | Client Sample ID | Depth Top / Bottom | Sampling Time   | Matrix | Unit  | # of Containers |
|-----------|------------------|--------------------|-----------------|--------|-------|-----------------|
| 03710-001 | LFTP-4-ED        | 13 / 13.5          | 4/26/2004@14:00 | Soil   | mg/Kg | 1               |
| 03710-002 | LFTP-4-ND        | 13 / 13.5          | 4/26/2004@13:15 | Soil   | mg/Kg | 1               |
| 03710-003 | LFTP-4-WD        | 13 / 13.5          | 4/26/2004@14:40 | Soil   | mg/Kg | 1               |
| 03710-004 | LFTP-4-V         | 25 / 26            | 4/26/2004@15:40 | Soil   | mg/Kg | 1               |
| 03710-005 | LFTP-3-V         | 27 / 29            | 4/27/2004@11:30 | Soil   | mg/Kg | 1               |
| 03710-006 | LFHD-1           | 25 / 26            | 4/27/2004@13:30 | Soil   | mg/Kg | 1               |
| 03710-007 | LFHD-2           | 25 / 26            | 4/27/2004@14:00 | Soil   | mg/Kg | 1               |
| 03710-008 | LFHD-3           | 25 / 26            | 4/27/2004@15:15 | Soil   | mg/Kg | 1               |

| Sample # | Tests        | Status     | QA Method |
|----------|--------------|------------|-----------|
| 001      | PCB          | In Process | 8082      |
| 002      | PCB          | In Process | 8082      |
| 003      | PCB          | In Process | 8082      |
| 004      | PCB          | In Process | 8082      |
| 005      | PCB          | In Process | 8082      |
| 006      | PCB          | In Process | 8082      |
| "        | Arsenic - As | In Process | 6020      |
| "        | Lead - Pb    | In Process | 6020      |
| 007      | PCB          | In Process | 8082      |
| "        | Arsenic - As | In Process | 6020      |
| "        | Lead - Pb    | In Process | 6020      |
| 008      | PCB          | In Process | 8082      |
| "        | Arsenic - As | In Process | 6020      |
| "        | Lead - Pb    | In Process | 6020      |

04/28/2004 15:39 by Gina - NOTE 1

SAMPLES MAY CONTAIN HIGH LEVELS OF H2S.

# INTEGRATED ANALYTICAL LABORATORIES, LLC

## SAMPLE RECEIPT VERIFICATION

CASE NC **E04** **03710**

CLIENT: **RWMA**

COOLER TEMPERATURE: 2° - 6°C: ☒ ( See Chain of Custody)

CHAIN OF CUSTODY: COMPLETE / INCOMPLETE Comments: \_\_\_\_\_

Sample Bottles Intact: ☒ Comments: \_\_\_\_\_  
 Sample Labels Intact/ Correct: ☒ \_\_\_\_\_  
 Sufficient Sample Volume: ☒ \_\_\_\_\_  
 Correct bottles/ preservative: ☒ \_\_\_\_\_  
 Samples received in holding time/ prep time: ☒ \_\_\_\_\_  
 Headspace/ bubbles in voa samples: ☒ \_\_\_\_\_  
 Samples to be subcontracted: ☒ \_\_\_\_\_

Preserved Sample pH checked: ☒  
 (Excluding voa samples)

**KEY**  
☒ = YES  
☒ = NO  
☒ = N/A

ADDITIONAL COMMENTS: \_\_\_\_\_

SAMPLE(S) VERIFIED BY: INITIAL **RL** DATE **5/22/07**

CORRECTIVE ACTION REQUIRED: YES ☐ (SEE BELOW) NO ☐

CLIENT NOTIFIED: YES ☐ Date/ Time: \_\_\_\_\_ NO ☐

PROJECT CONTACT: \_\_\_\_\_

SUBCONTRACTED LAB: \_\_\_\_\_

DATE SHIPPED: \_\_\_\_\_

ADDITIONAL COMMENTS: \_\_\_\_\_

VERIFIED/TAKEN BY: INITIAL **RL** DATE \_\_\_\_\_

# LABORATORY CUSTODY CHRONICLE

Case No. **E04-03710**

Client **EWMA - HQ**

Project **FORMER CELOTEX - EDGEWATER - 202334**

|                           |           |      |         | Preparation<br>Date / Time | Analyst | Analysis<br>Date / Time | Analyst |
|---------------------------|-----------|------|---------|----------------------------|---------|-------------------------|---------|
| <b>Department: GC</b>     |           |      |         |                            |         |                         |         |
| PCB                       | 03710-001 | Soil |         |                            | Eleanor | 4/28/04                 | Maggie  |
| "                         | -002      | Soil |         |                            | Eleanor | 4/28/04                 | Maggie  |
| "                         | -003      | Soil |         |                            | Eleanor | 4/28/04                 | Maggie  |
| "                         | -004      | Soil |         |                            | Eleanor | 4/28/04                 | Maggie  |
| "                         | -005      | Soil |         |                            | Eleanor | 4/28/04                 | Maggie  |
| "                         | -006      | Soil |         |                            | Eleanor | 4/28/04                 | Maggie  |
| "                         | -007      | Soil |         |                            | Eleanor | 4/28/04                 | Maggie  |
| "                         | -008      | Soil |         |                            | Eleanor | 4/28/04                 | Maggie  |
| <b>Department: Metals</b> |           |      |         |                            |         |                         |         |
| Arsenic - As              | 03710-006 | Soil | 4/28/04 |                            | Lisa    | 4/29/04                 | Helge   |
| "                         | -007      | Soil | 4/28/04 |                            | Lisa    | 4/29/04                 | Helge   |
| "                         | -008      | Soil | 4/28/04 |                            | Lisa    | 4/29/04                 | Helge   |
| Lead - Pb                 | 03710-006 | Soil | 4/28/04 |                            | Lisa    | 4/29/04                 | Helge   |
| "                         | -007      | Soil | 4/28/04 |                            | Lisa    | 4/29/04                 | Helge   |
| "                         | -008      | Soil | 4/28/04 |                            | Lisa    | 4/29/04                 | Helge   |

Review and Approval:

*U. Deane* 5/11/04

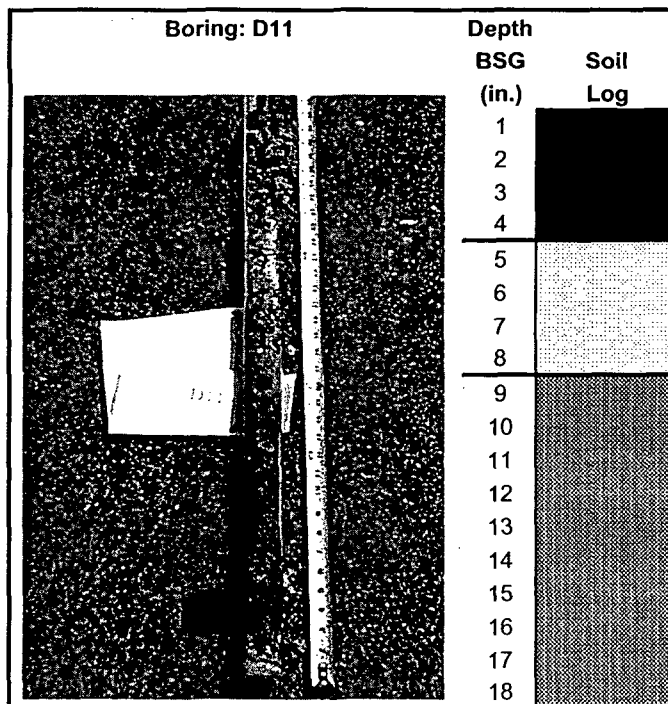
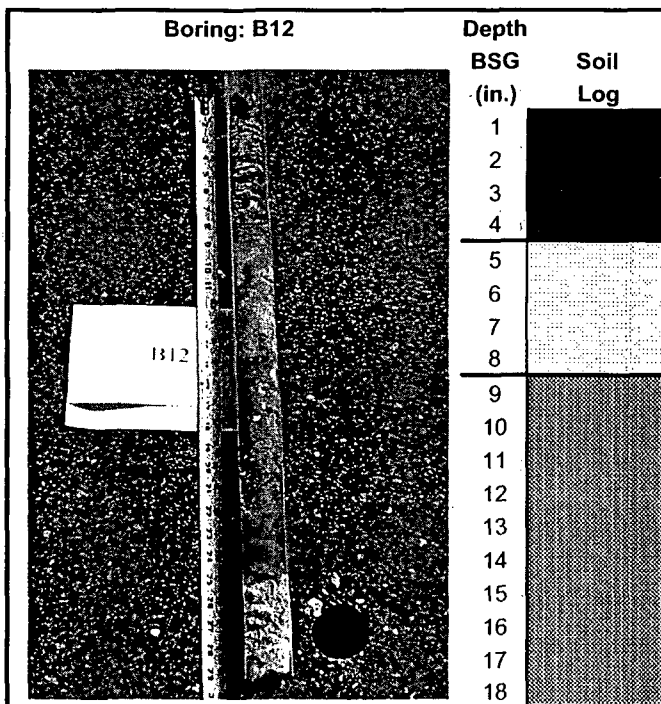
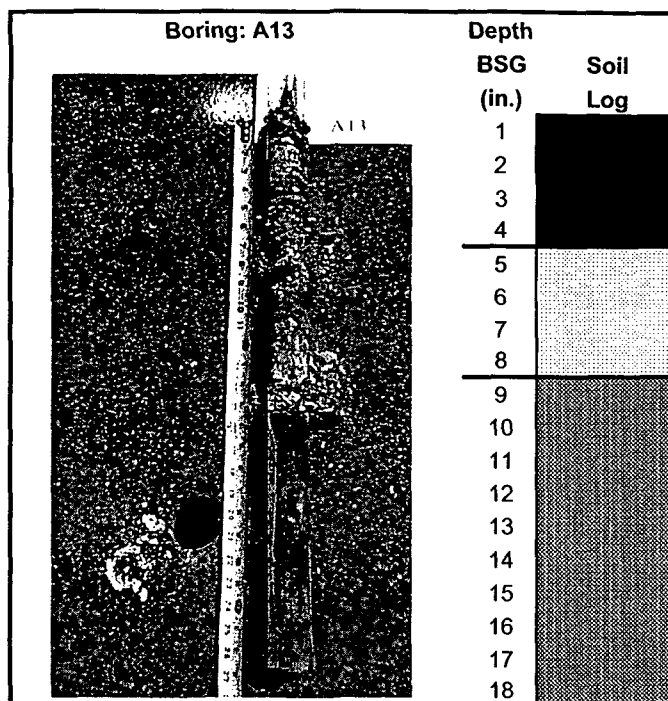
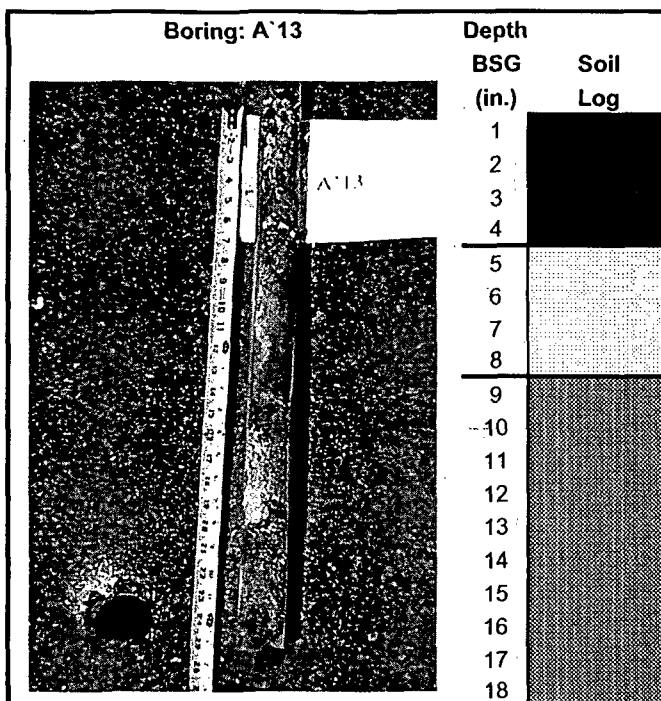


SRP/A: NJD981876642  
DESC: Subsurface Soil  
IAI Case# E04-03710  
FWMA# 202334 Edgewater  
Submit Date 8/18/04

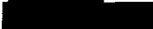

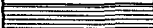


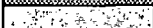




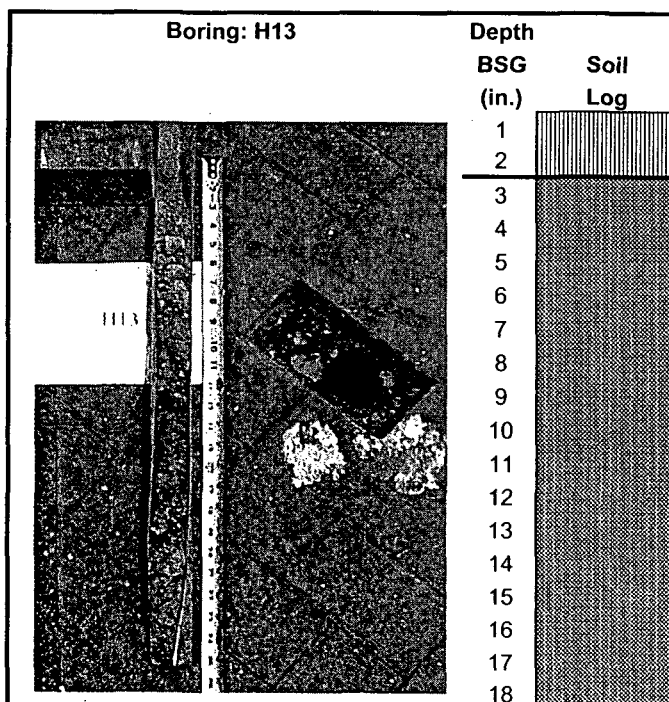
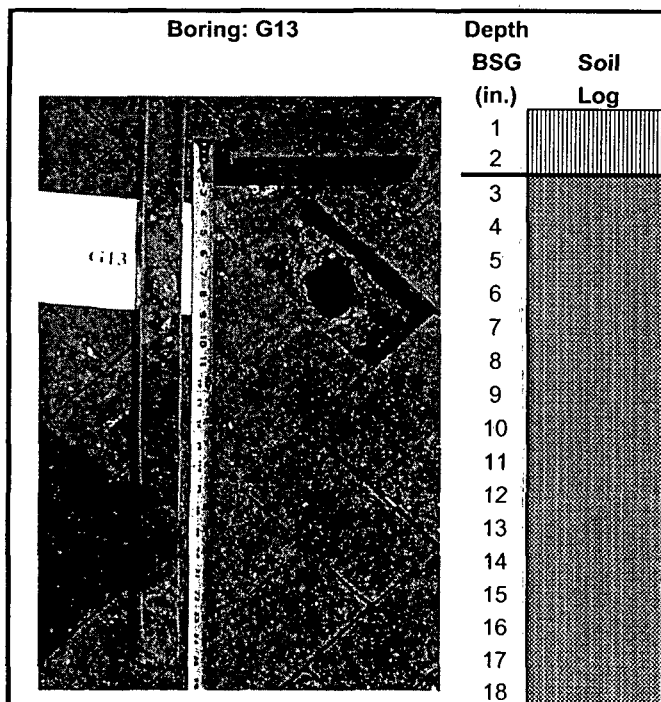
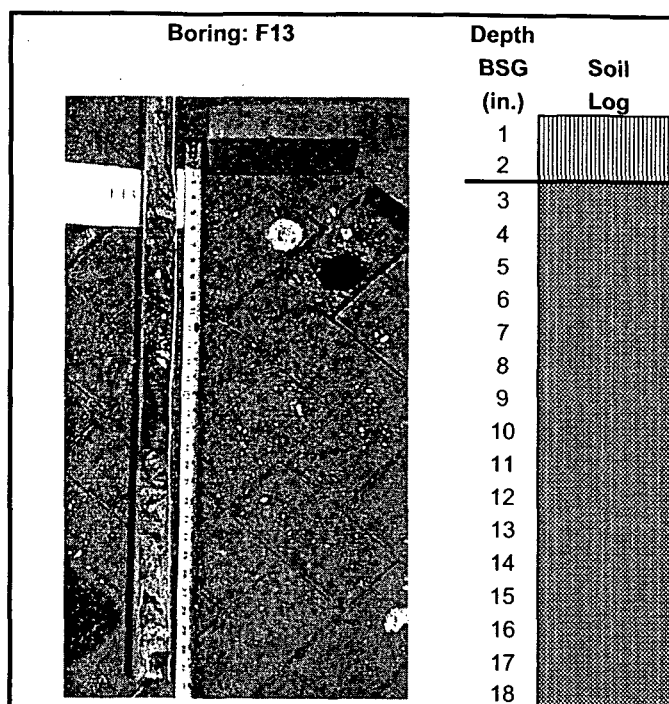
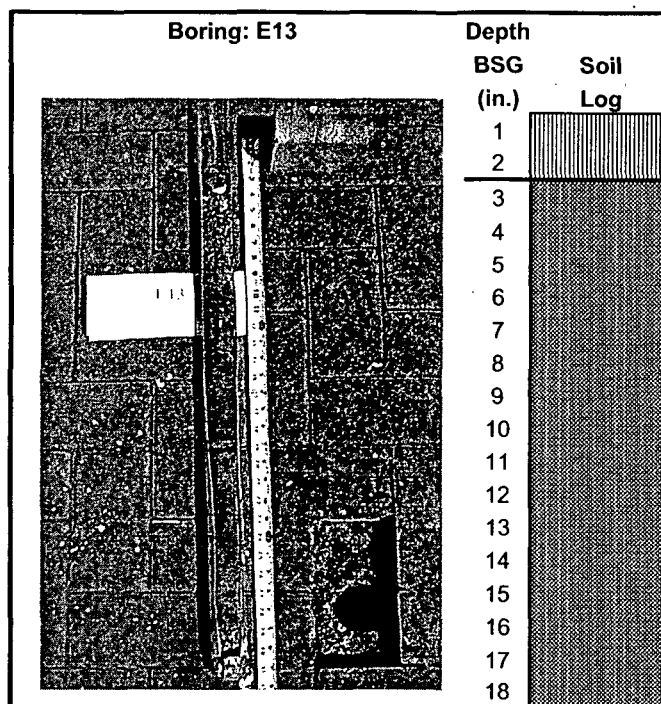
**GYPSUM LANDFILL COVER  
SOIL BORING PHOTO LOGS**  
June 7 and 22, 2004



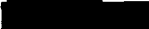




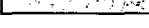
**LEGEND**

|   |             |
|---|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

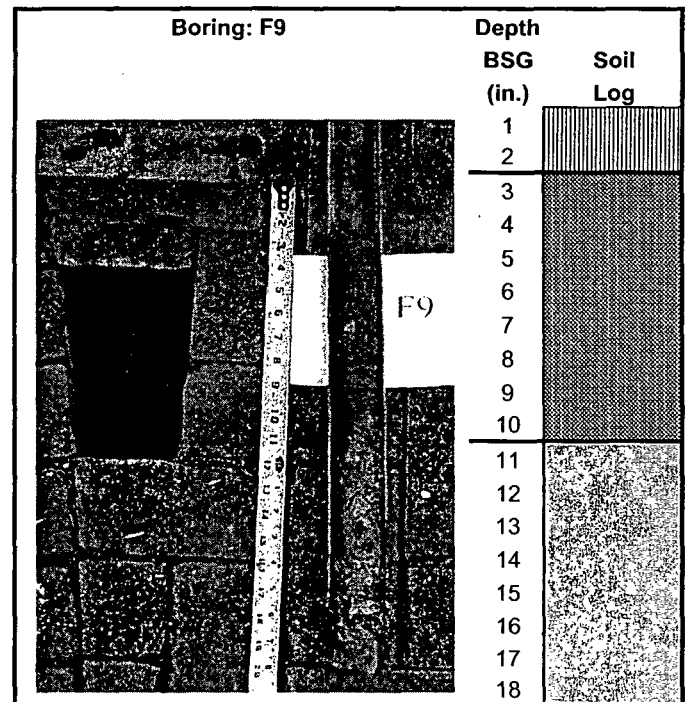
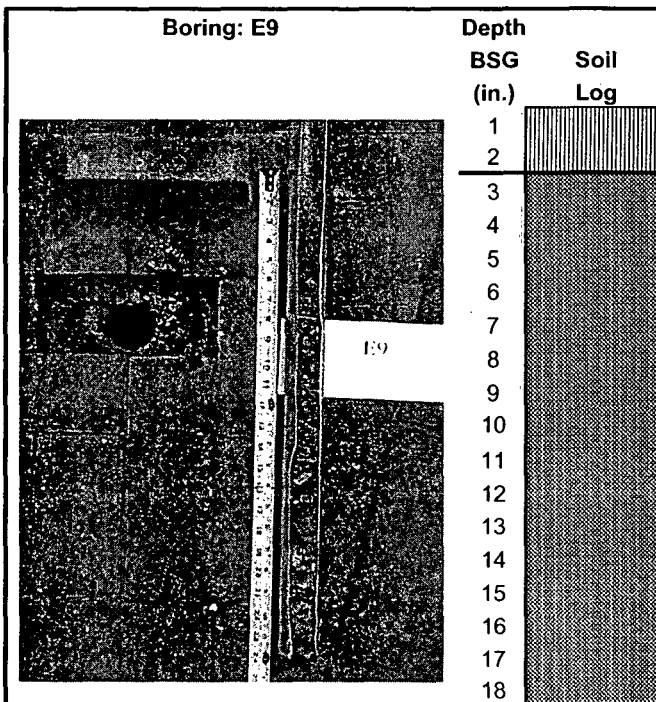
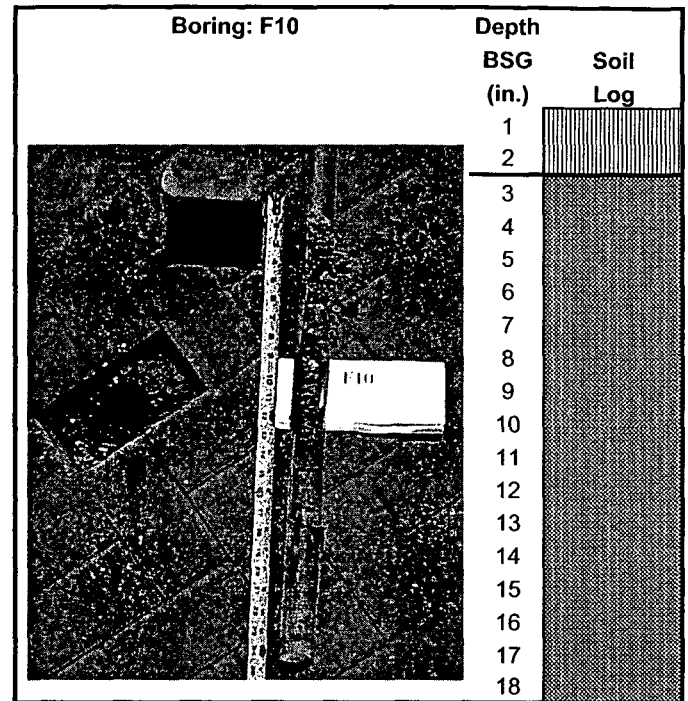
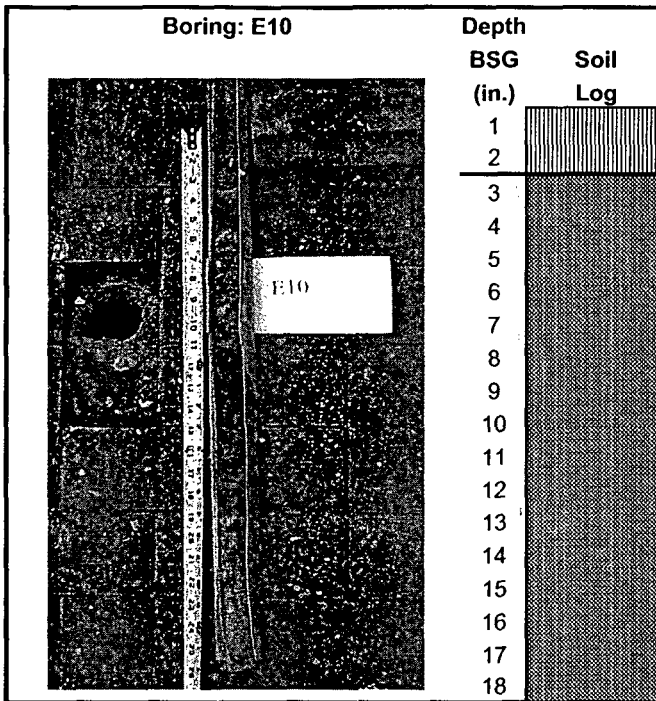
**GYPSUM LANDFILL COVER  
SOIL BORING PHOTO LOGS  
June 7 and 22, 2004**



**LEGEND**

|   |             |
|---|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

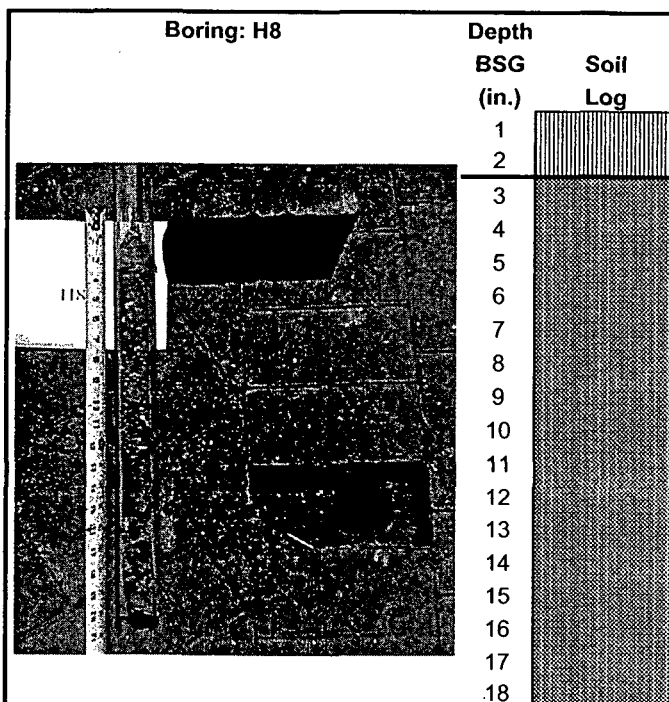
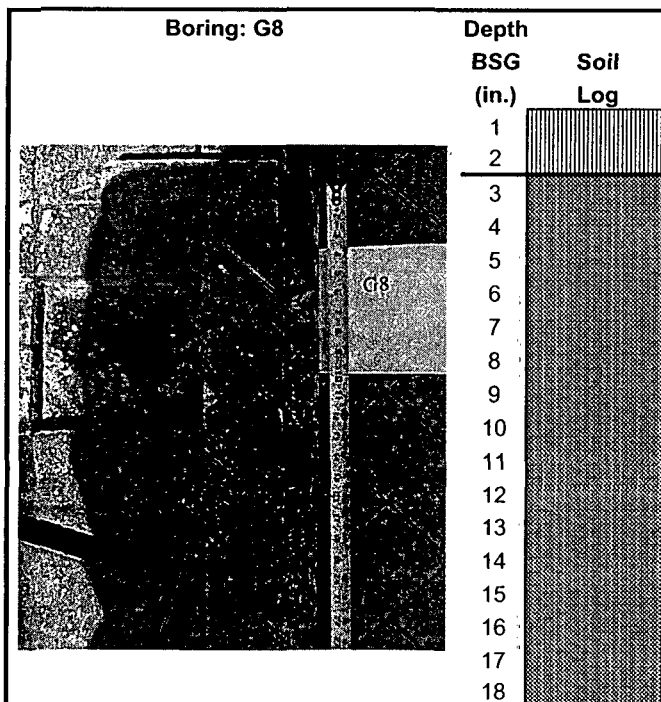
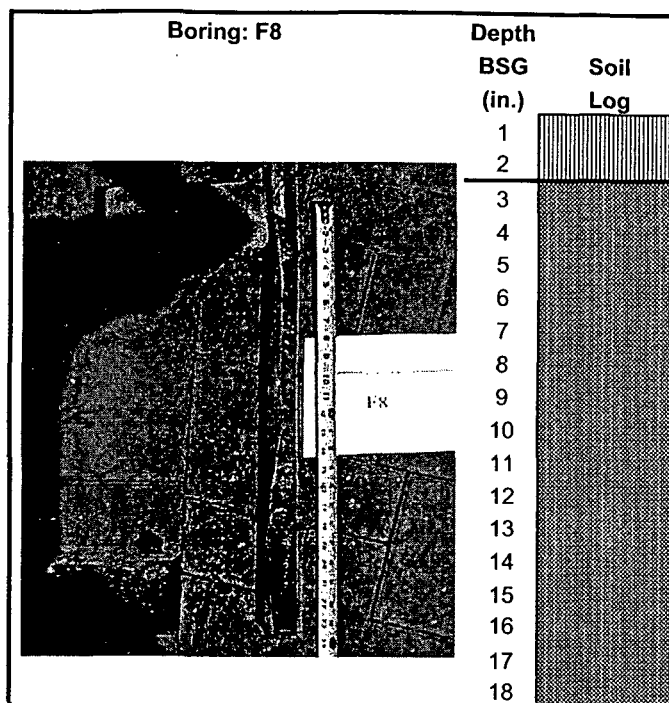
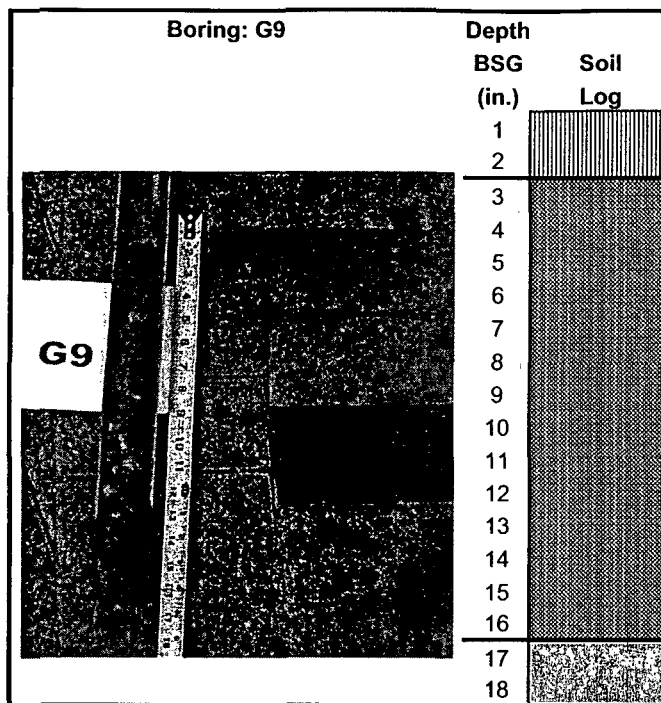
**GYPSUM LANDFILL COVER  
SOIL BORING PHOTO LOGS  
June 7 and 22, 2004**



**LEGEND**

|  |             |
|--|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

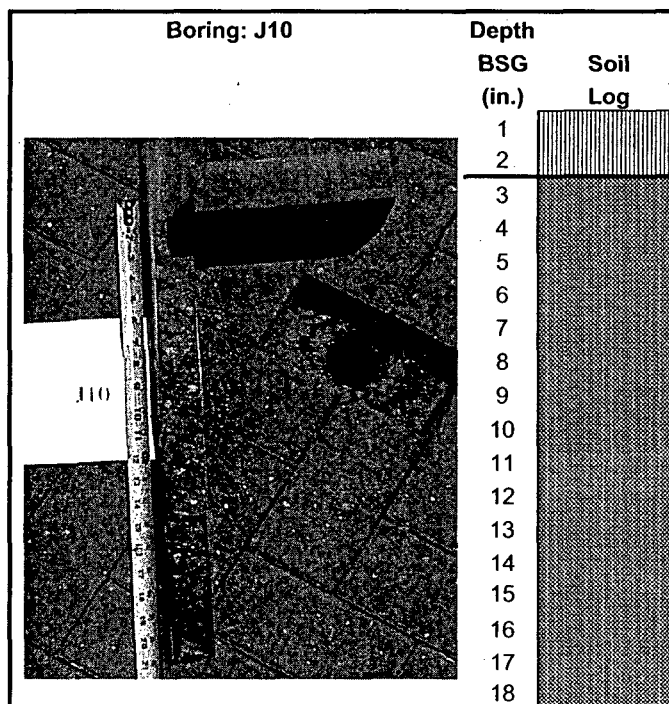
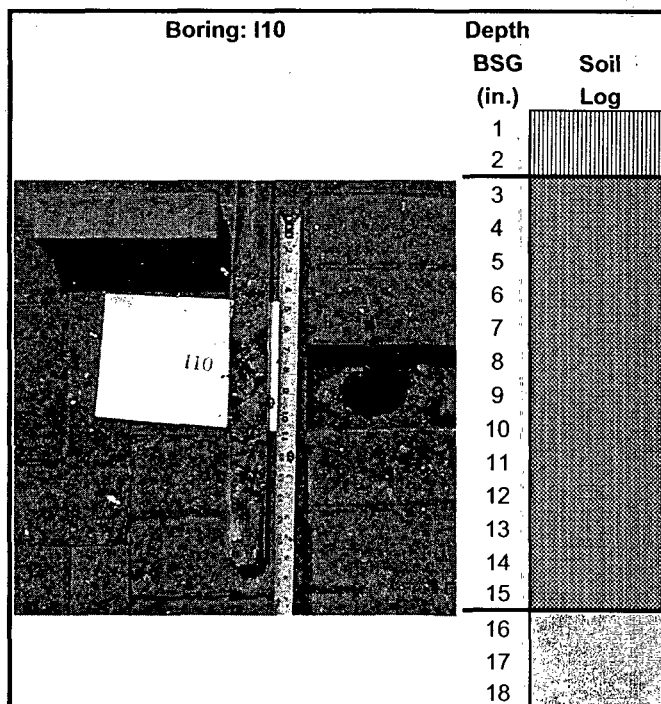
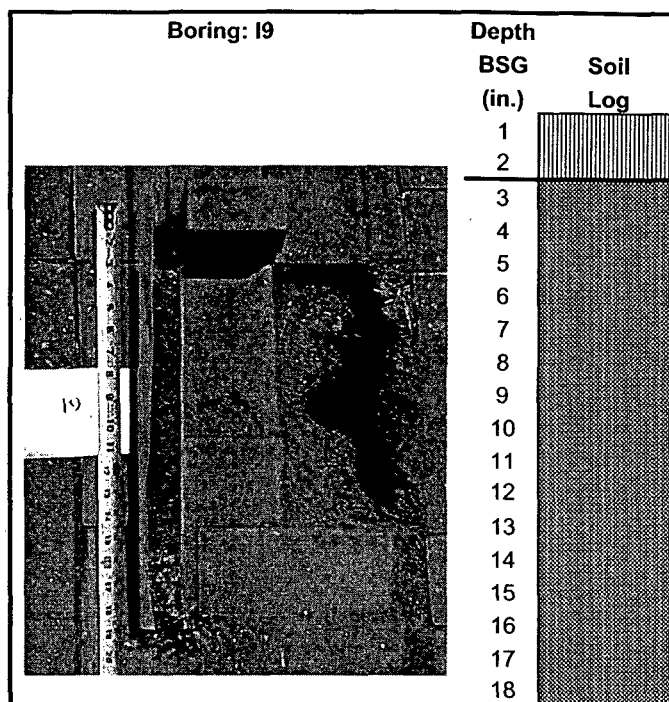
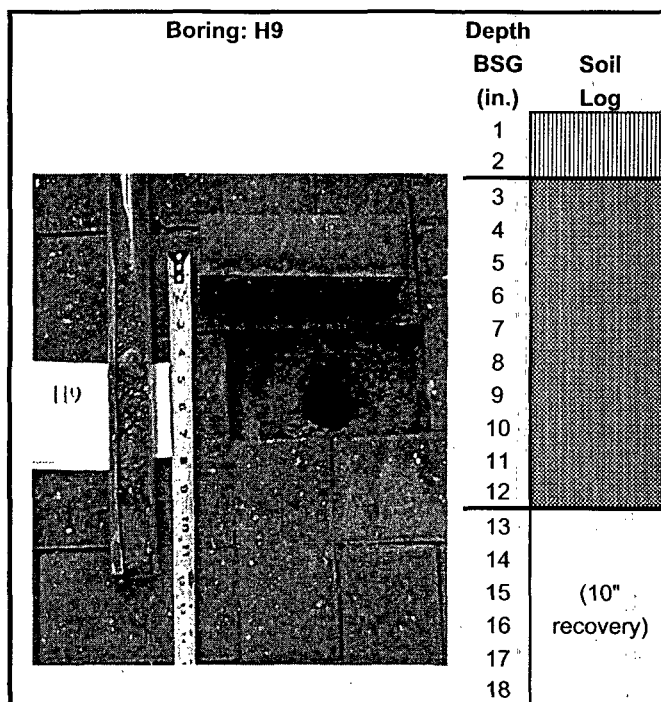
**GYPSUM LANDFILL COVER  
SOIL BORING PHOTO LOGS  
June 7 and 22, 2004**



**LEGEND**

|  |             |
|--|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

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June 7 and 22, 2004**

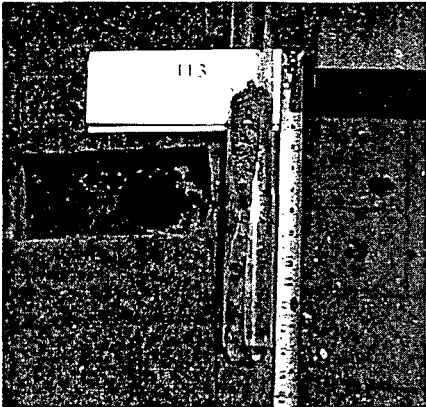



**LEGEND**

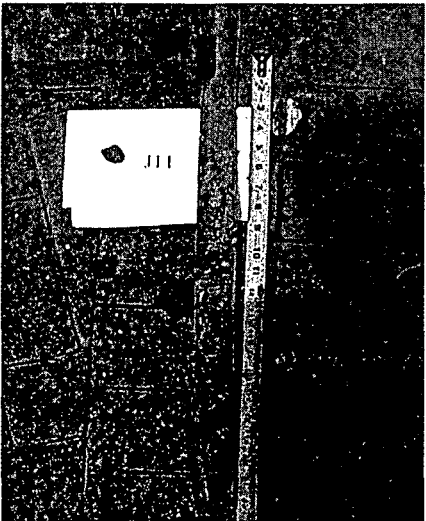
|  |             |
|--|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |



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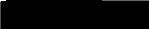




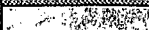
| Boring: I13   |    | Depth | Soil      |
|---|----|-------|-----------|
|   |    | BSG   | Log       |
|   |    | (in.) |           |
|  | 1  |       |           |
|   | 2  |       |           |
|   | 3  |       |           |
|   | 4  |       |           |
|   | 5  |       |           |
|   | 6  |       |           |
|   | 7  |       |           |
|   | 8  |       |           |
|   | 9  |       |           |
|   | 10 |       |           |
|   | 11 |       |           |
|   | 12 |       |           |
|   | 13 |       |           |
|   | 14 |       |           |
|   | 15 |       |           |
|   | 16 |       | (12"      |
|   | 17 |       | recovery) |
|   | 18 |       |           |

| Boring: I11  |    | Depth | Soil      |
|--|----|-------|-----------|
|  |    | BSG   | Log       |
|  |    | (in.) |           |
|  | 1  |       |           |
|  | 2  |       |           |
|  | 3  |       |           |
|  | 4  |       |           |
|  | 5  |       |           |
|  | 6  |       |           |
|  | 7  |       |           |
|  | 8  |       |           |
|  | 9  |       |           |
|  | 10 |       |           |
|  | 11 |       |           |
|  | 12 |       |           |
|  | 13 |       |           |
|  | 14 |       |           |
|  | 15 |       | (10"      |
|  | 16 |       | recovery) |
|  | 17 |       |           |
|  | 18 |       |           |

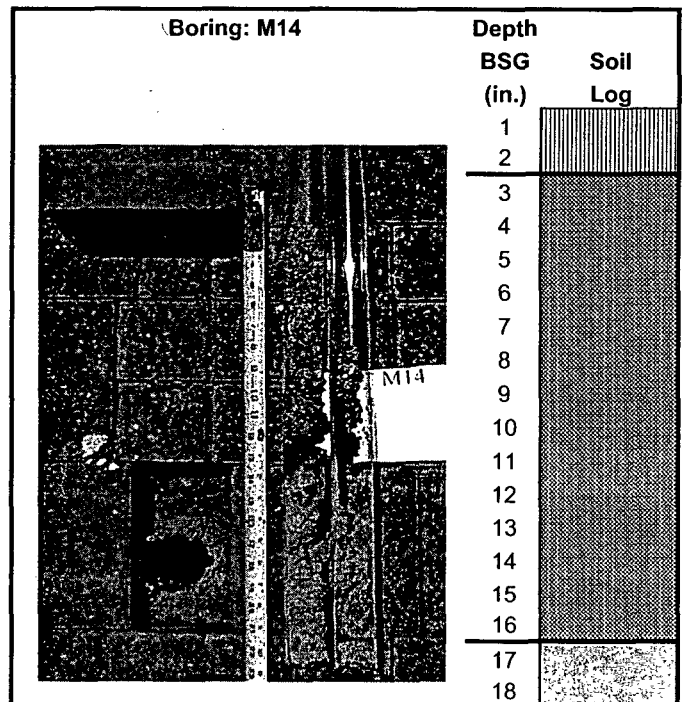
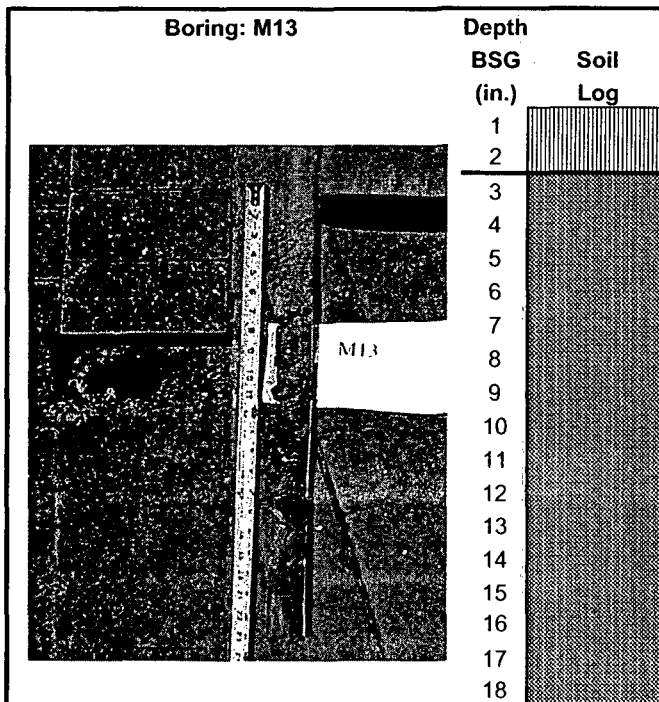
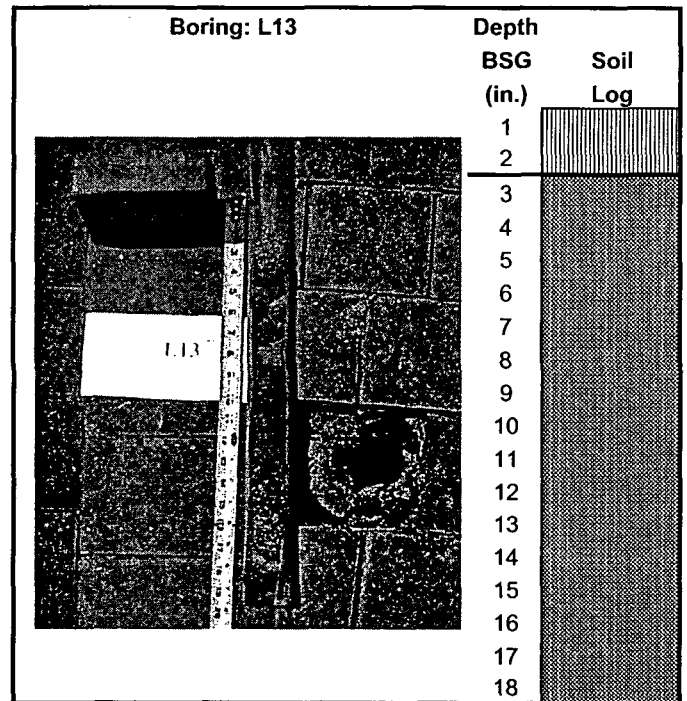
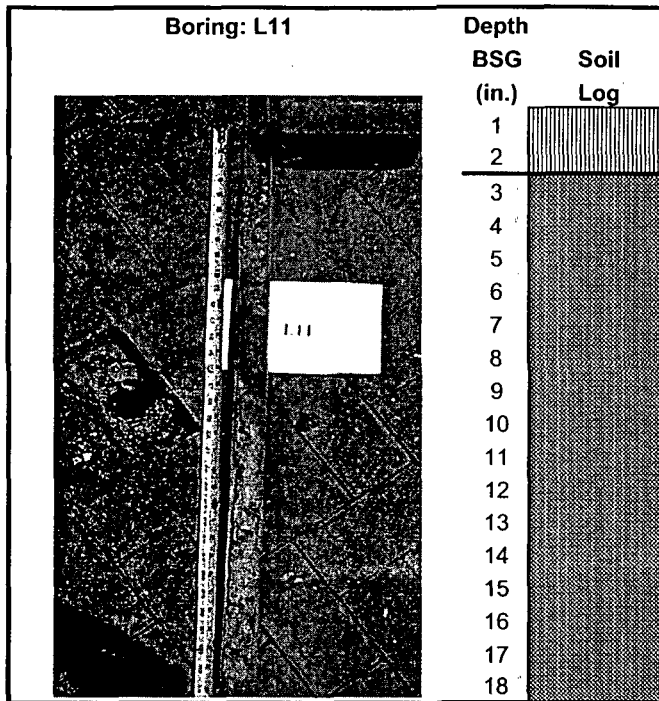
| Boring: J11   |    | Depth | Soil |
|---|----|-------|------|
|   |    | BSG   | Log  |
|   |    | (in.) |      |
|  | 1  |       |      |
|   | 2  |       |      |
|   | 3  |       |      |
|   | 4  |       |      |
|   | 5  |       |      |
|   | 6  |       |      |
|   | 7  |       |      |
|   | 8  |       |      |
|   | 9  |       |      |
|   | 10 |       |      |
|   | 11 |       |      |
|   | 12 |       |      |
|   | 13 |       |      |
|   | 14 |       |      |
|   | 15 |       |      |
|   | 16 |       |      |
|   | 17 |       |      |
|   | 18 |       |      |

| Boring: K11 |    | Depth | Soil |
|-------------|----|-------|------|
|             |    | BSG   | Log  |
|             |    | (in.) |      |
| NO PICTURE  | 1  |       |      |
|             | 2  |       |      |
|             | 3  |       |      |
|             | 4  |       |      |
|             | 5  |       |      |
|             | 6  |       |      |
|             | 7  |       |      |
|             | 8  |       |      |
|             | 9  |       |      |
|             | 10 |       |      |
|             | 11 |       |      |
|             | 12 |       |      |
|             | 13 |       |      |
|             | 14 |       |      |
|             | 15 |       |      |
|             | 16 |       |      |
|             | 17 |       |      |
|             | 18 |       |      |

**LEGEND**

|   |             |
|---|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

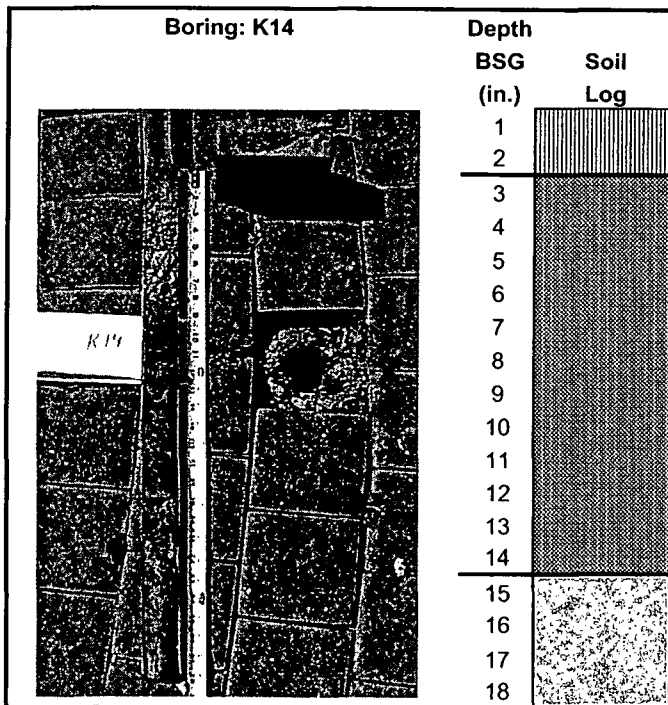
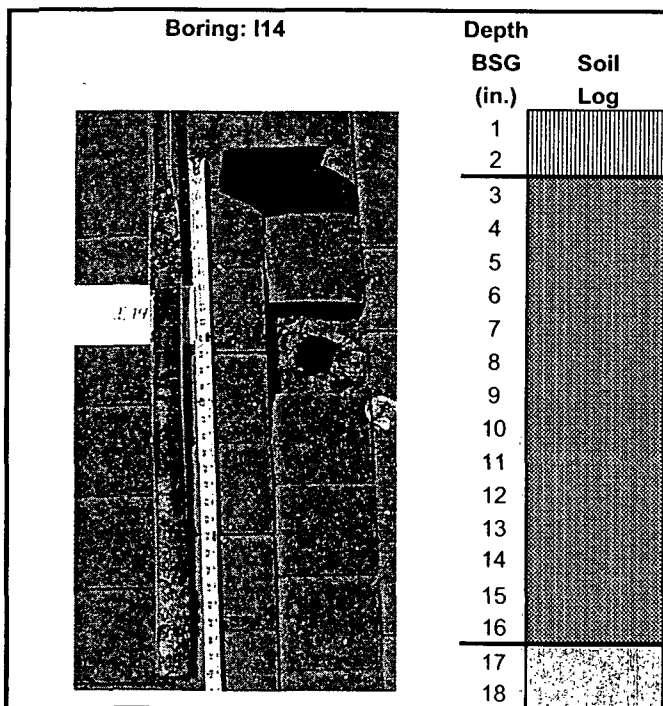
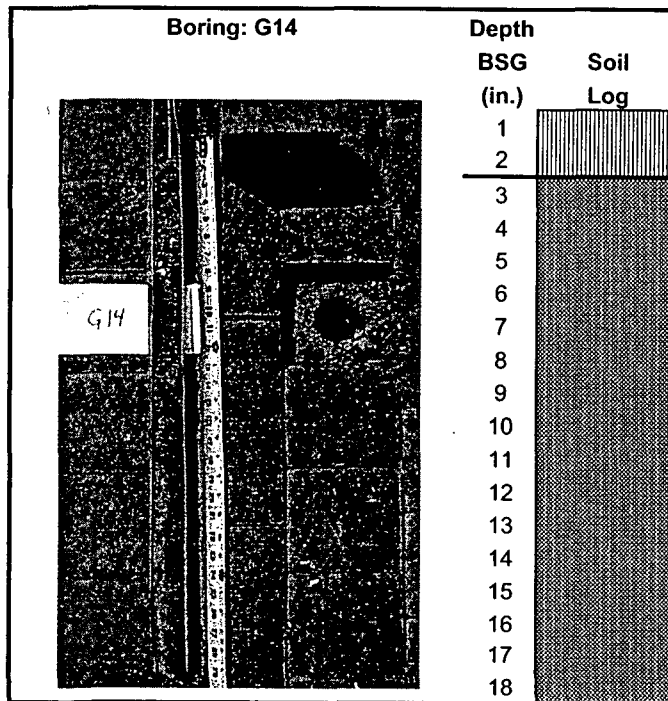
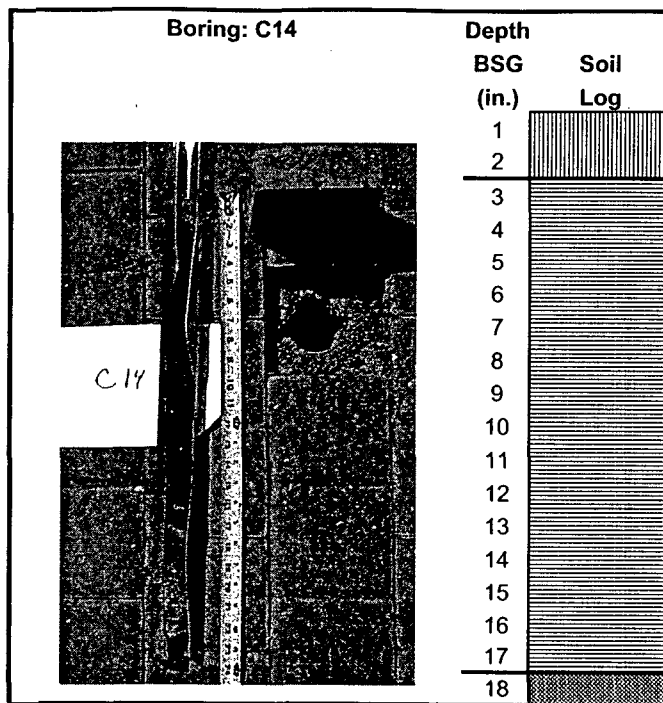
**GYPSUM LANDFILL COVER  
SOIL BORING PHOTO LOGS  
June 7 and 22, 2004**



**LEGEND**

|  |             |
|--|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

**GYPSUM LANDFILL COVER  
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June 7 and 22, 2004**

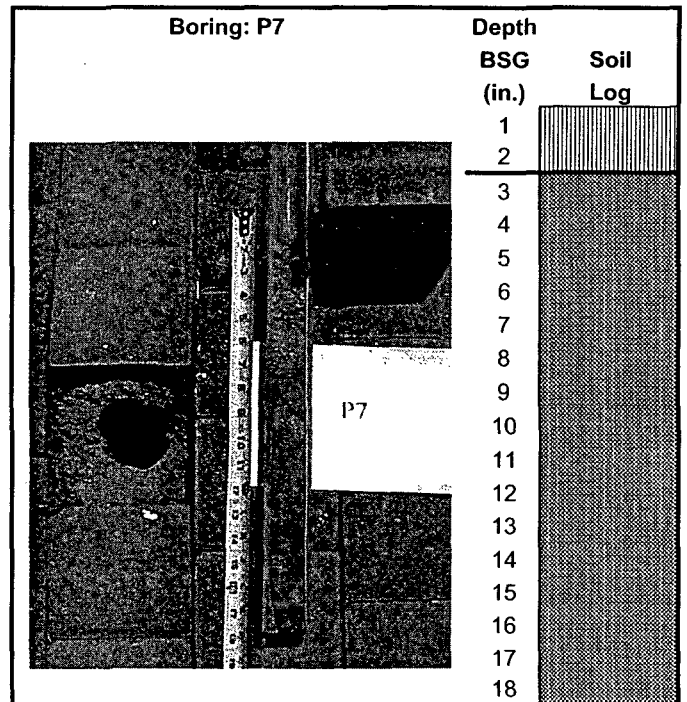
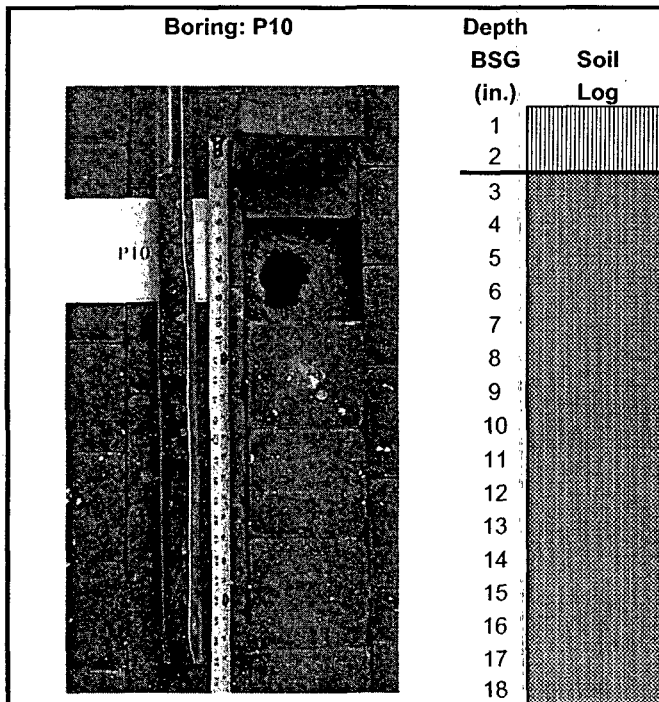
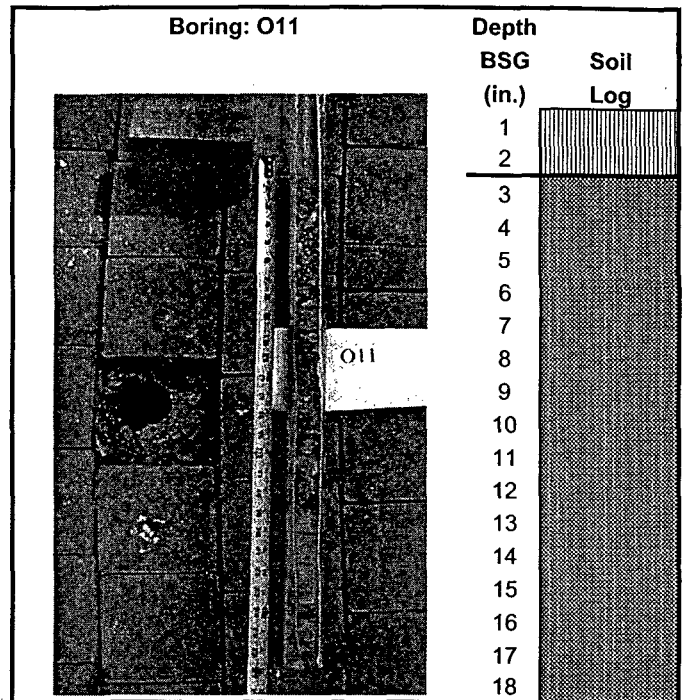
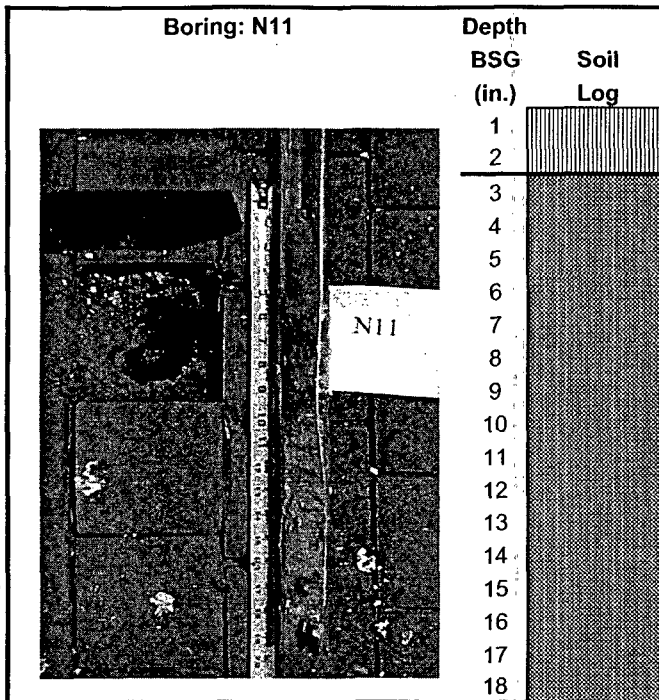


**LEGEND**

|  |             |
|--|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |



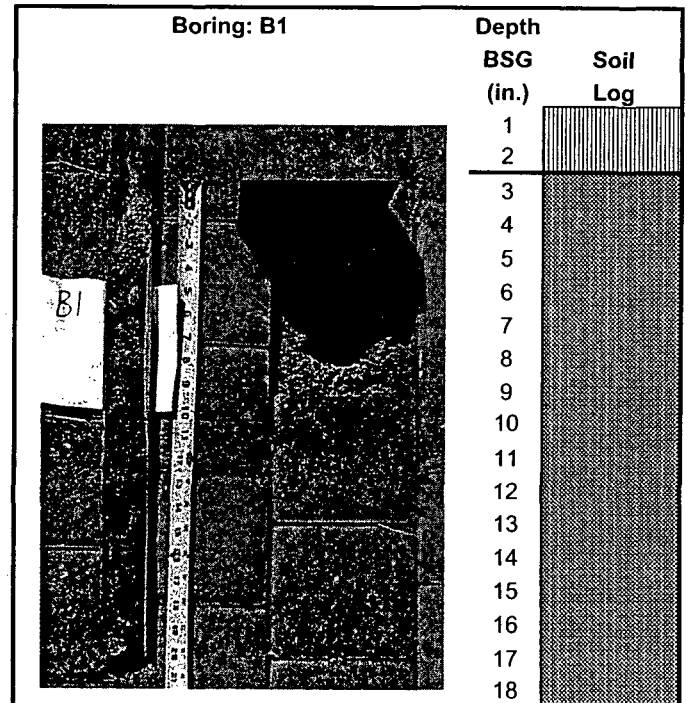
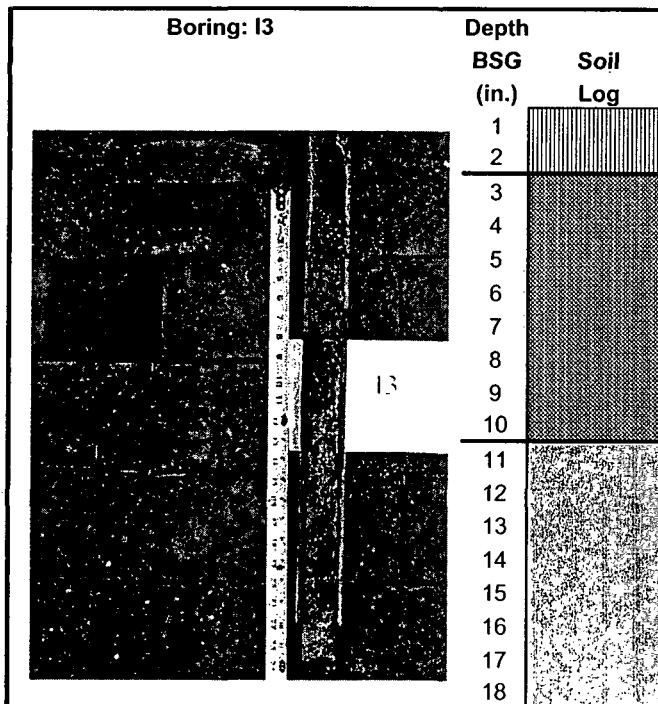
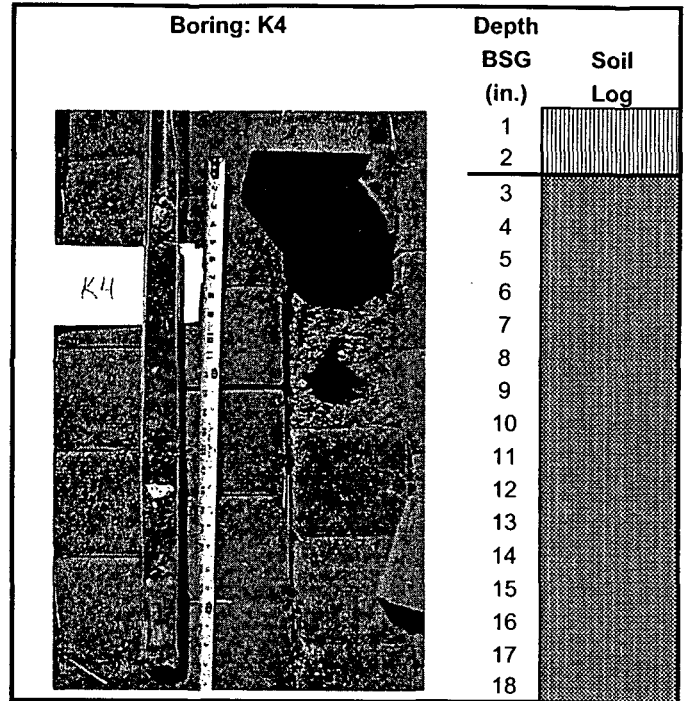
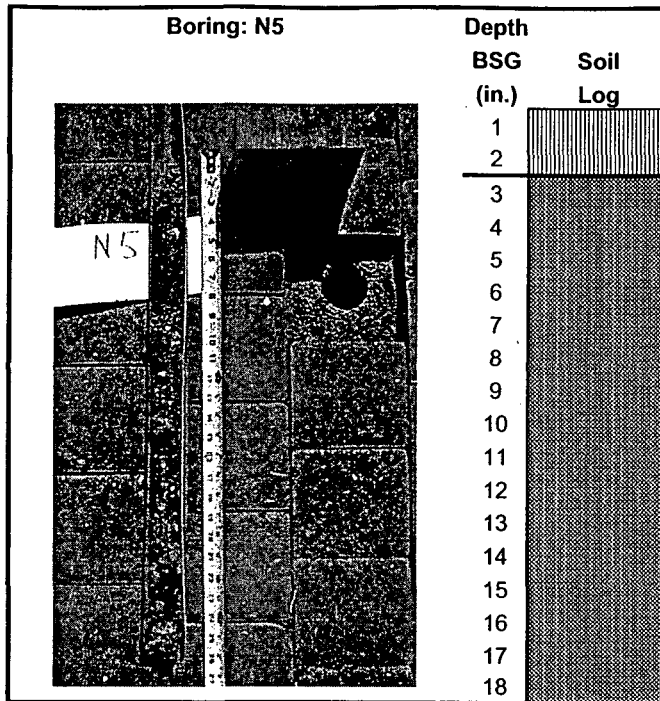
**GYPSUM LANDFILL COVER  
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June 7 and 22, 2004**



**LEGEND**

|  |             |
|--|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

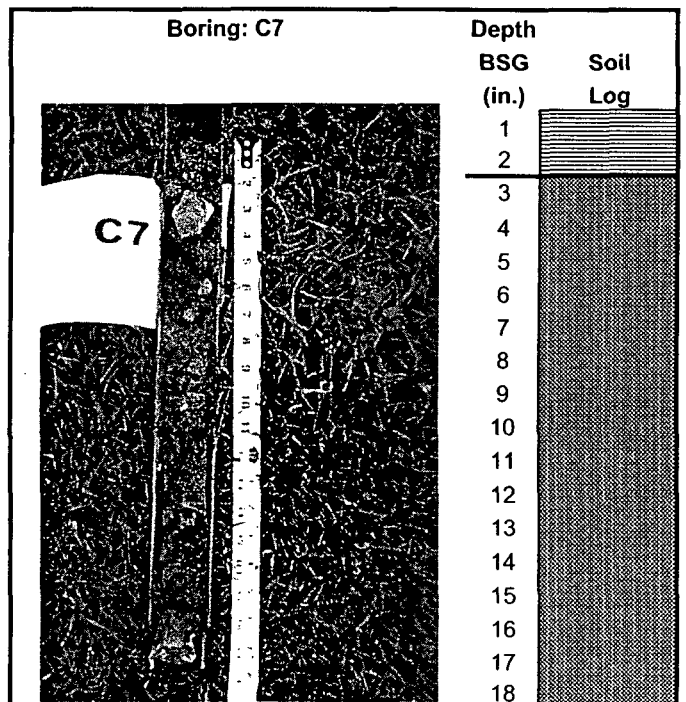
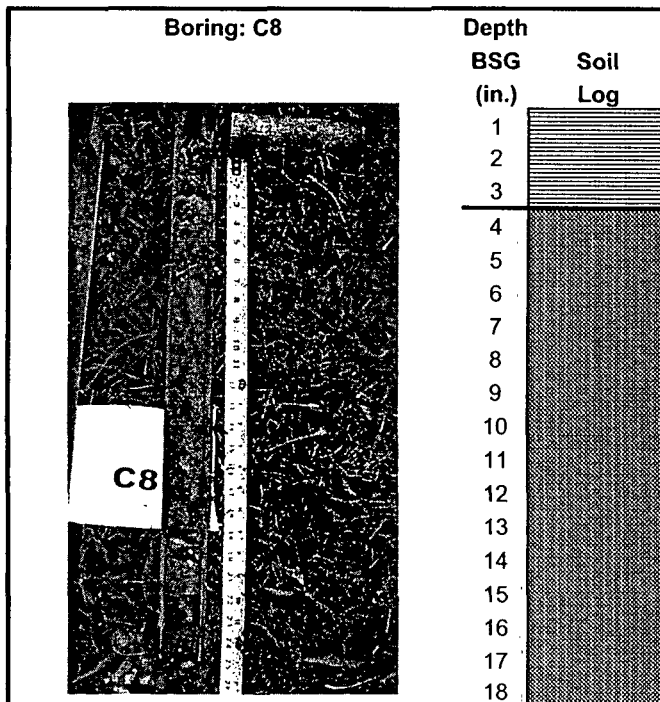
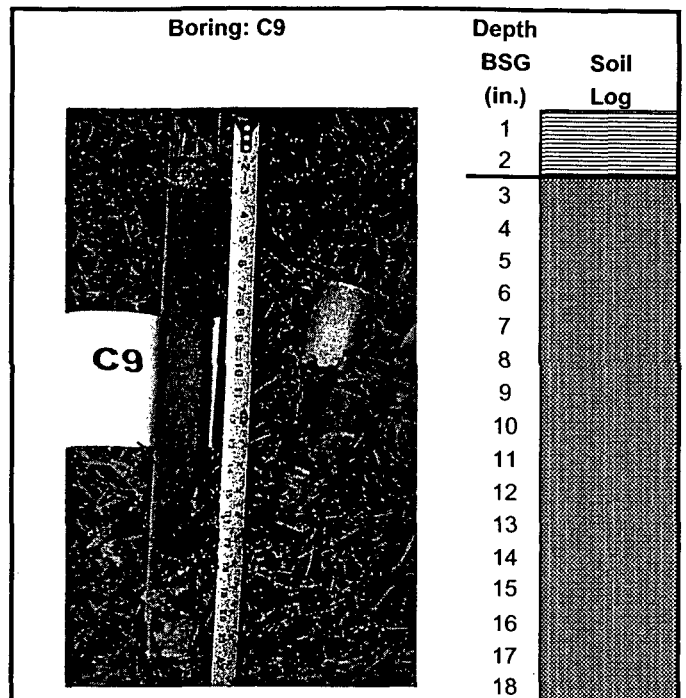
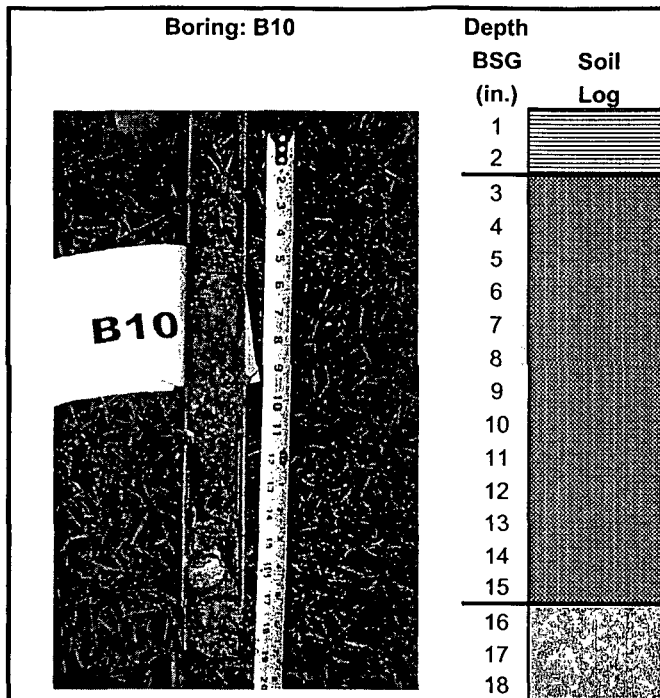
**GYPSUM LANDFILL COVER  
SOIL BORING PHOTO LOGS  
June 7 and 22, 2004**





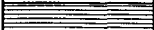



**LEGEND**

|  |             |
|--|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

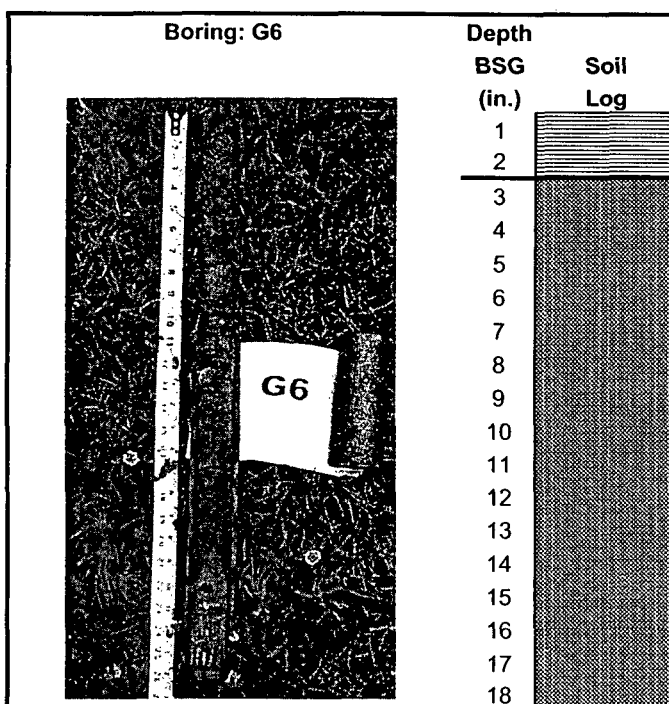
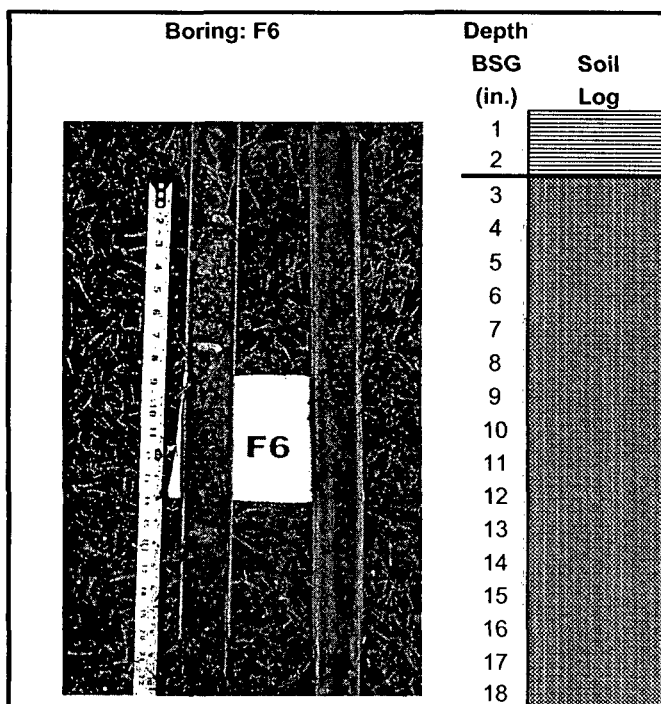
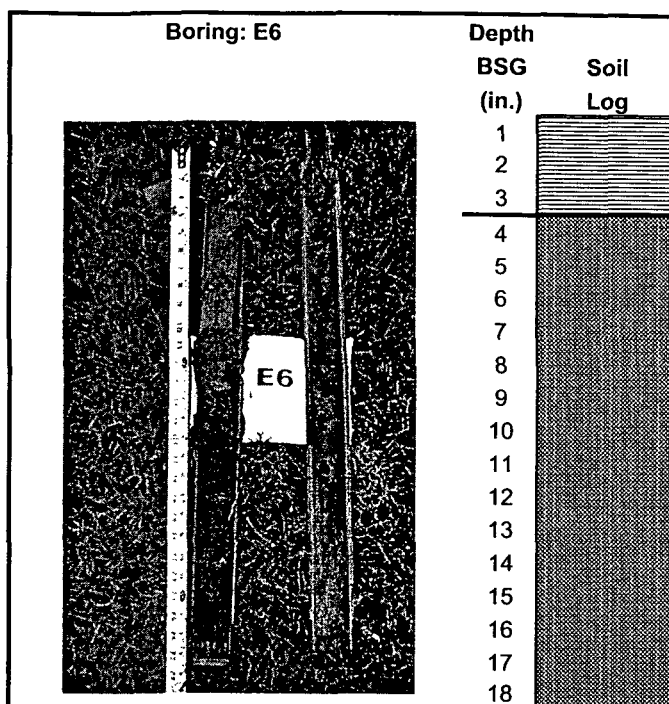
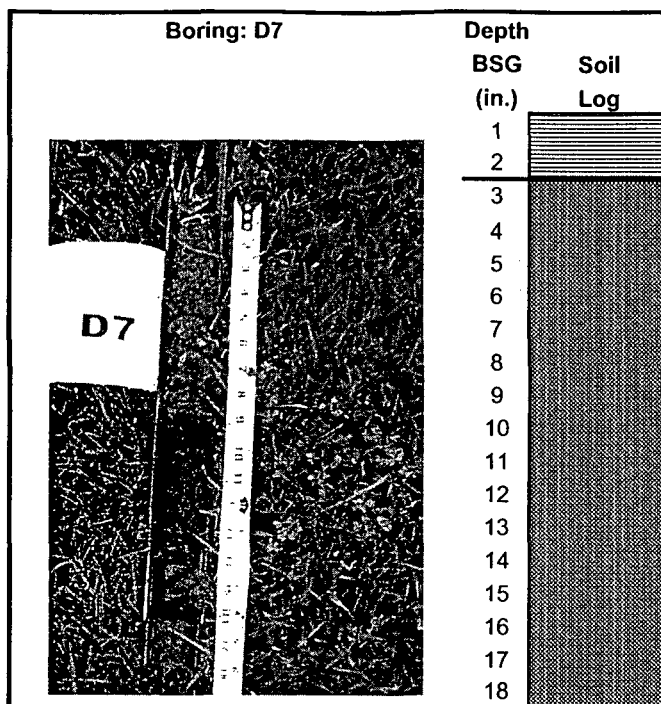
**GYPSUM LANDFILL COVER  
SOIL BORING PHOTO LOGS  
June 7 and 22, 2004**



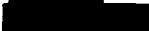




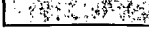
**LEGEND**

|   |             |
|---|-------------|
|  | Asphalt     |
|  | Gravel Base |
|  | Top Soil    |
|  | Brick Paver |
|  | Fill        |
|  | Gypsum      |

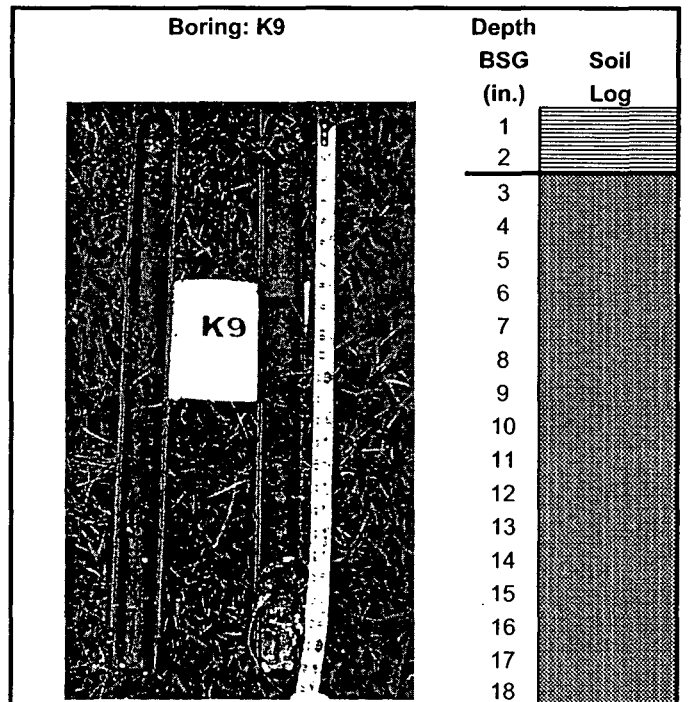
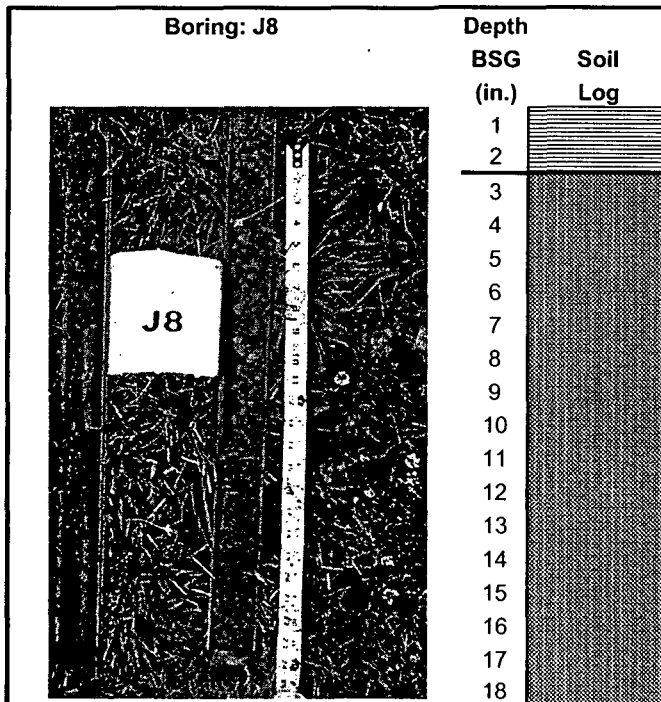
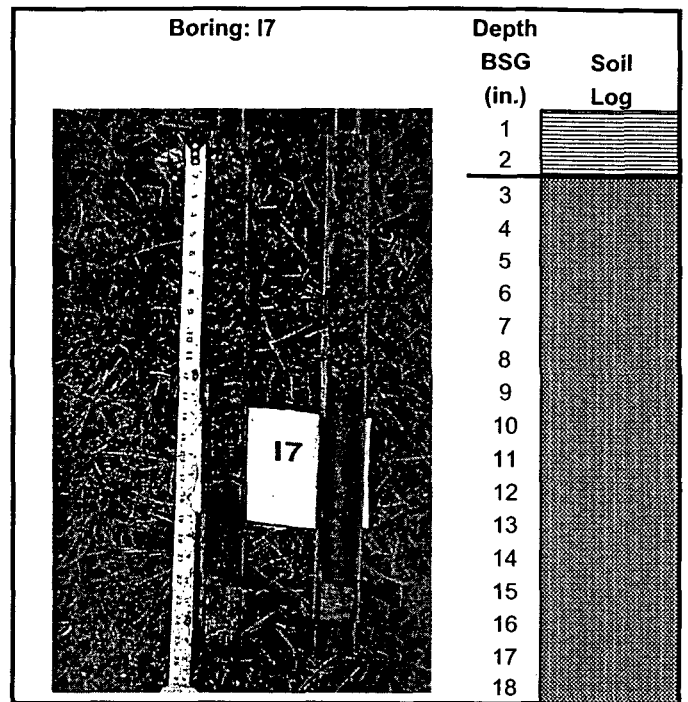
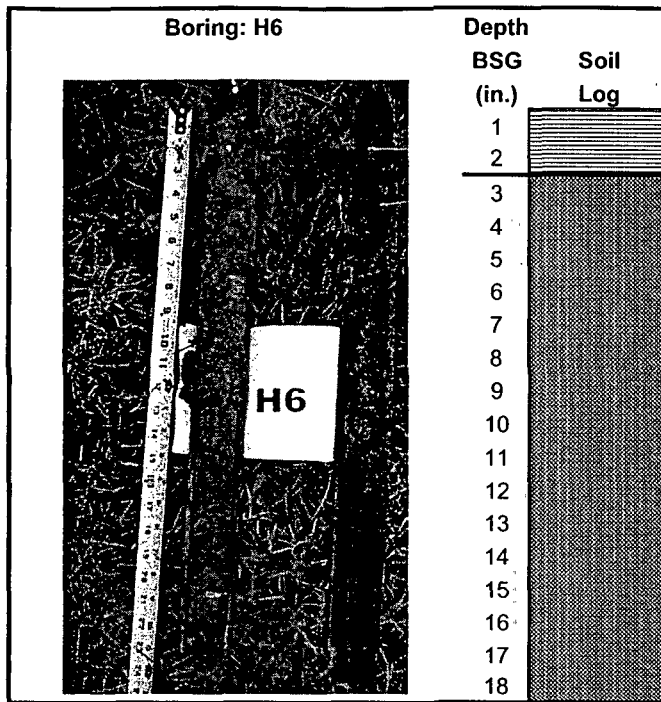
**GYPSUM LANDFILL COVER  
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June 7 and 22, 2004**



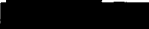
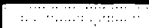
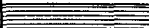



**LEGEND**

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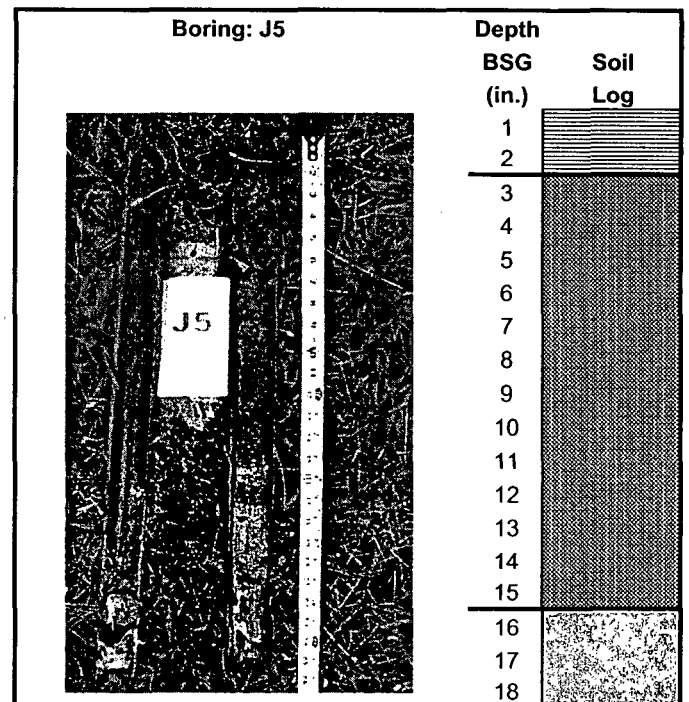
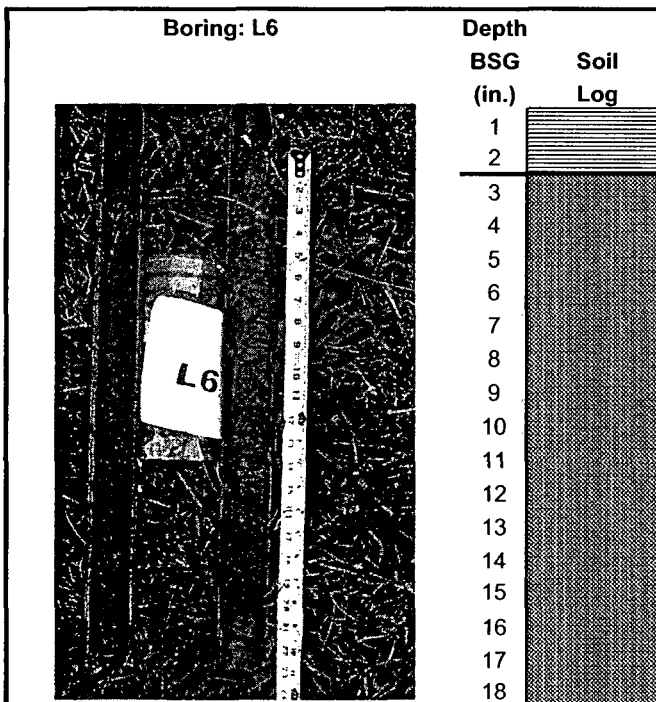
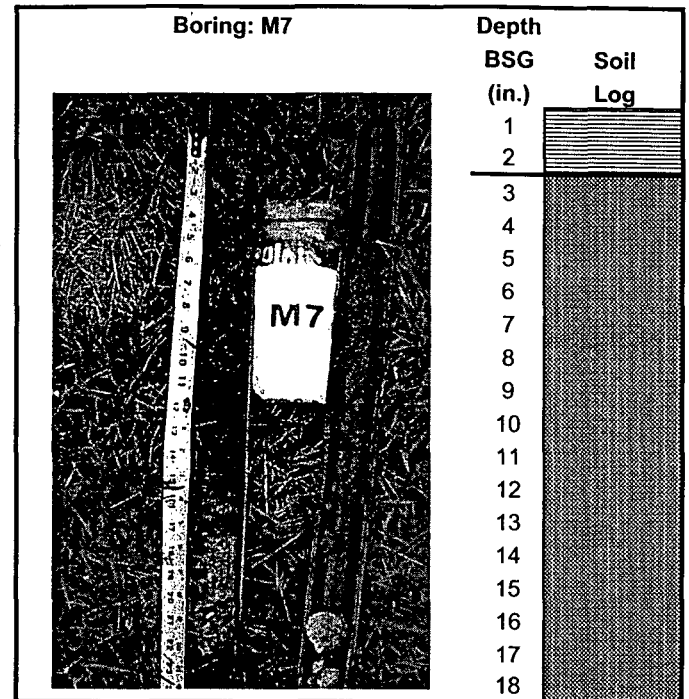
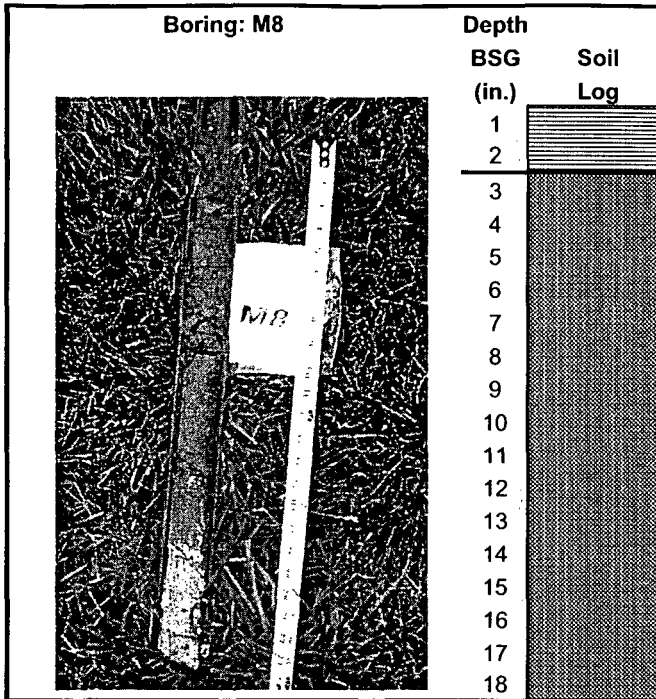


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|  | Asphalt     |
|  | Gravel Base |
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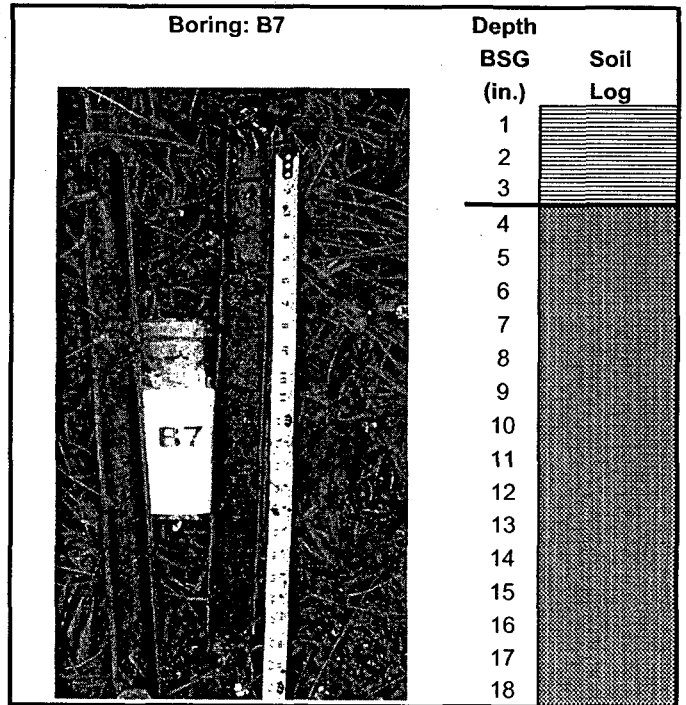
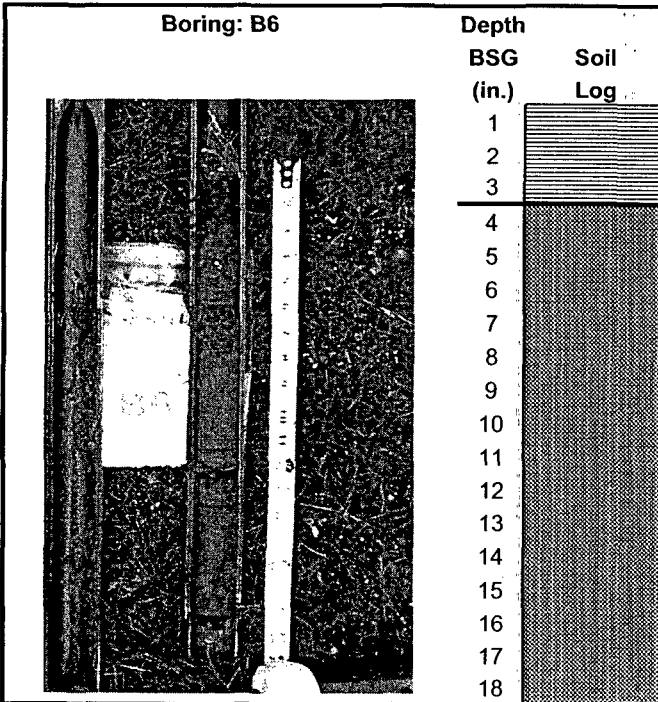
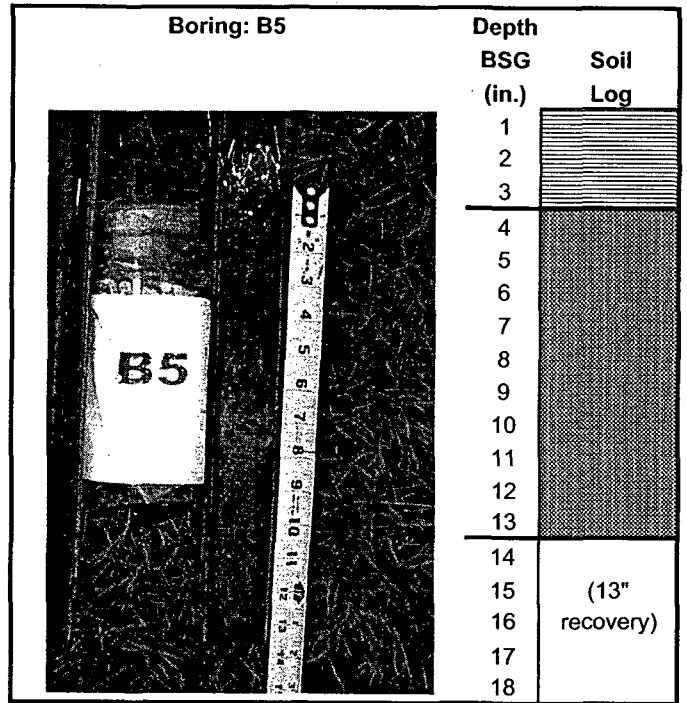
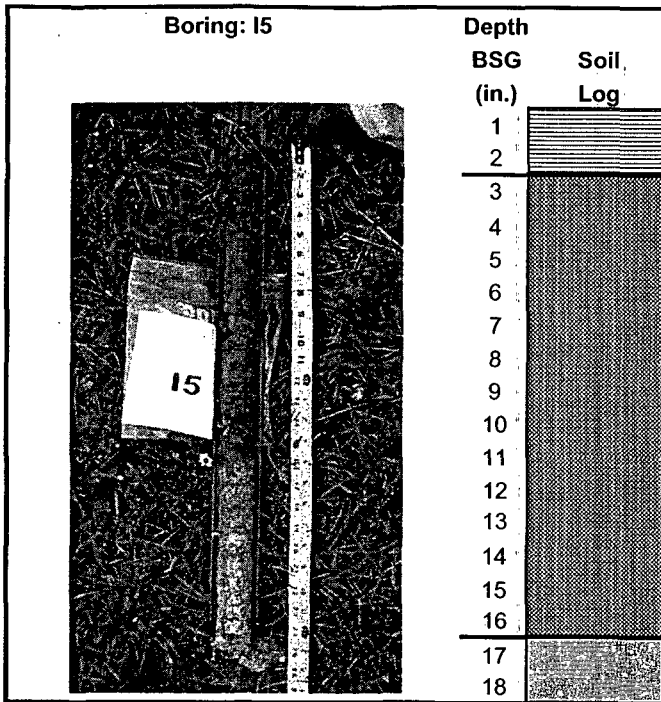
**GYPSUM LANDFILL COVER  
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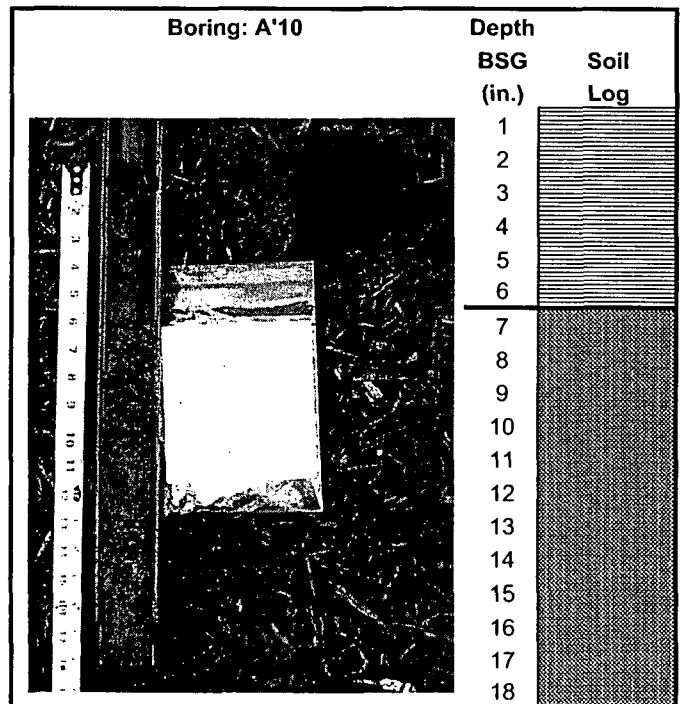
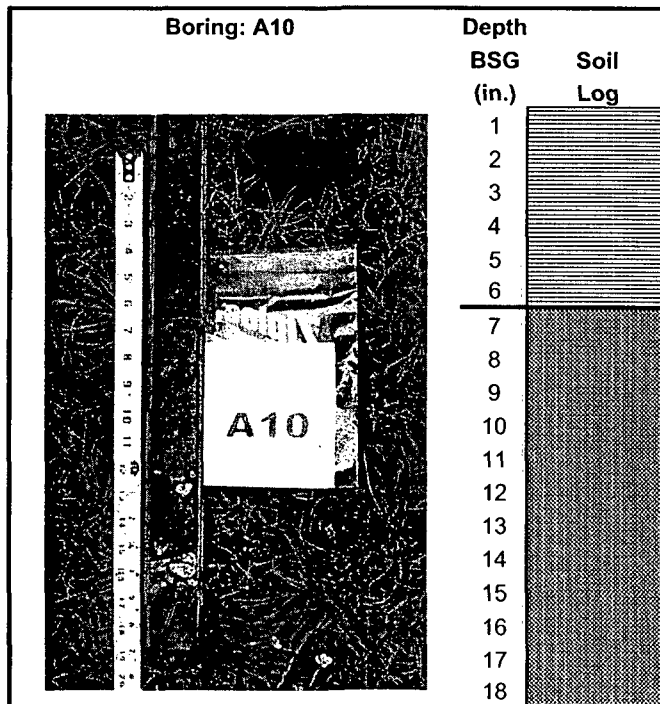
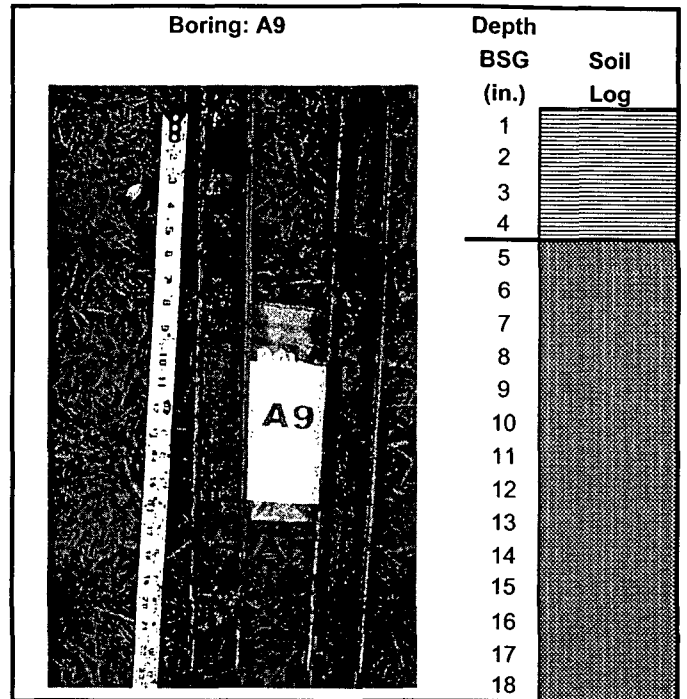
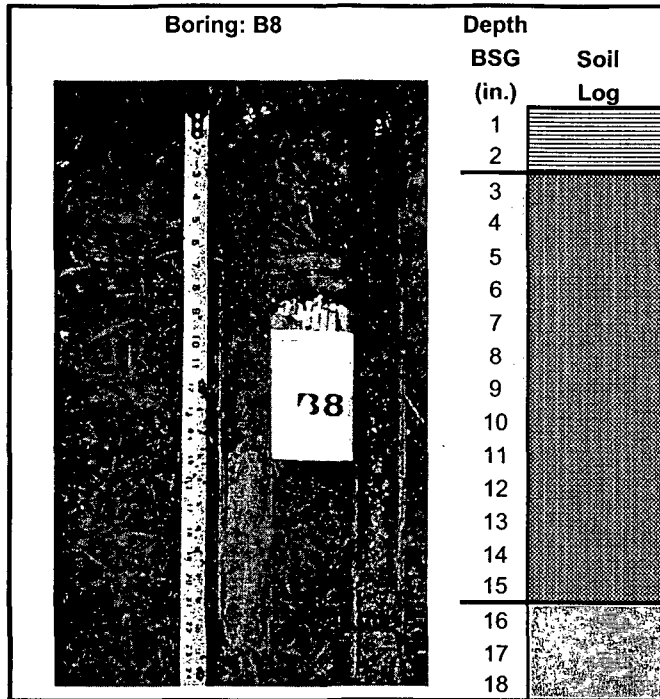
**GYPSUM LANDFILL COVER  
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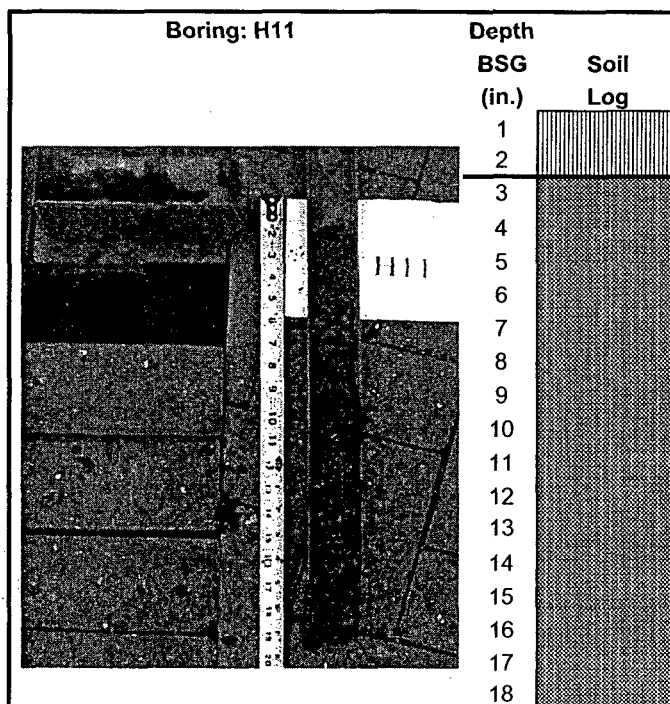
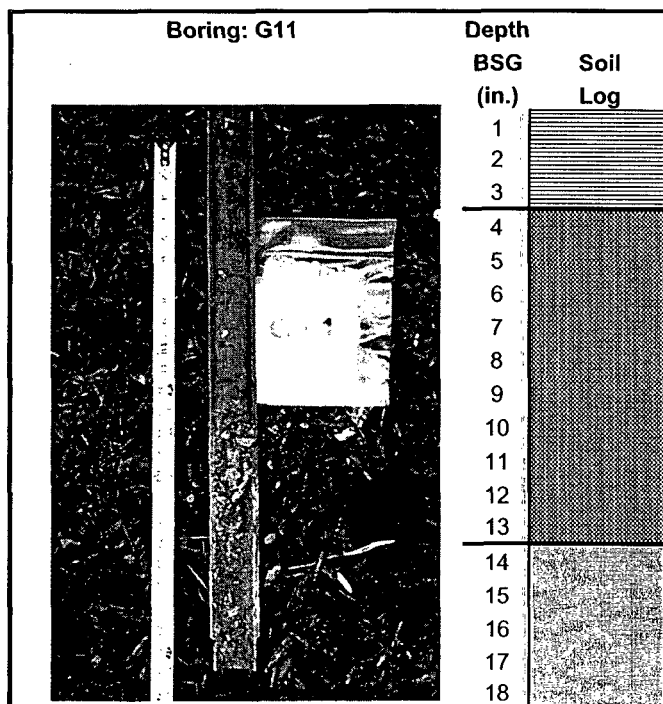
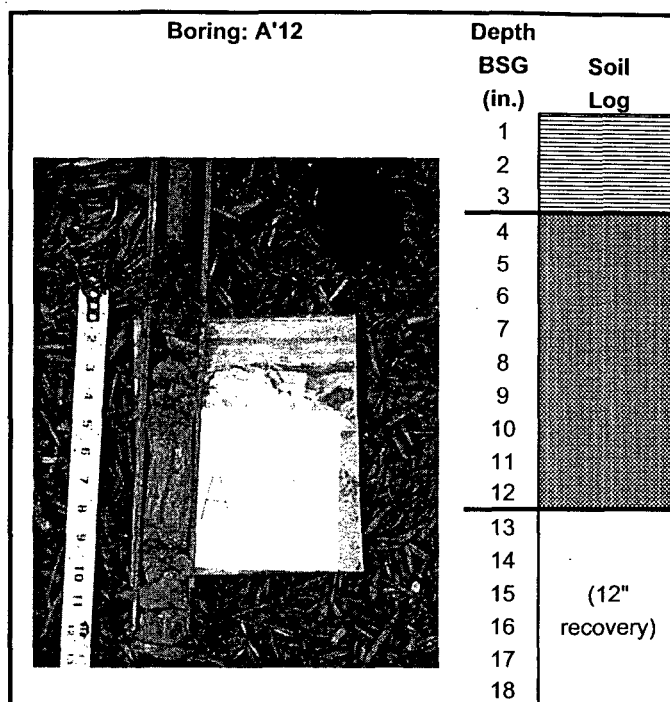
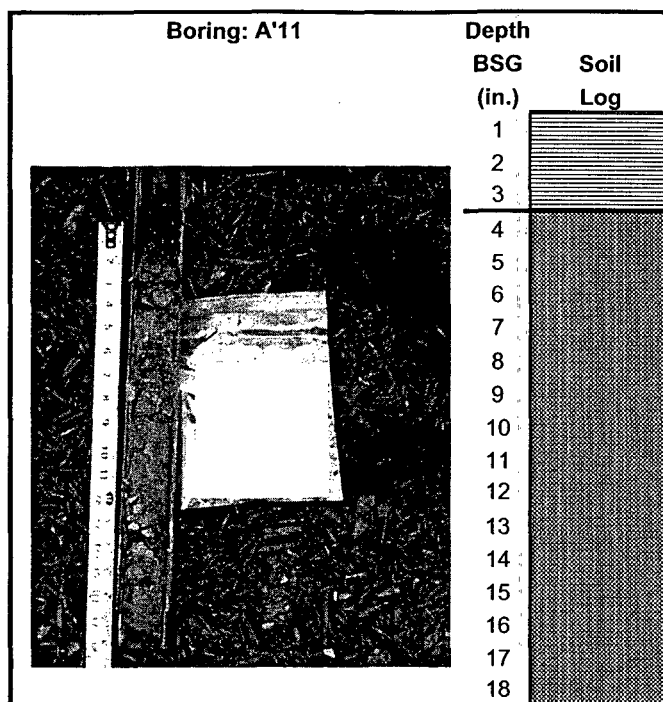


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|  | Asphalt     |
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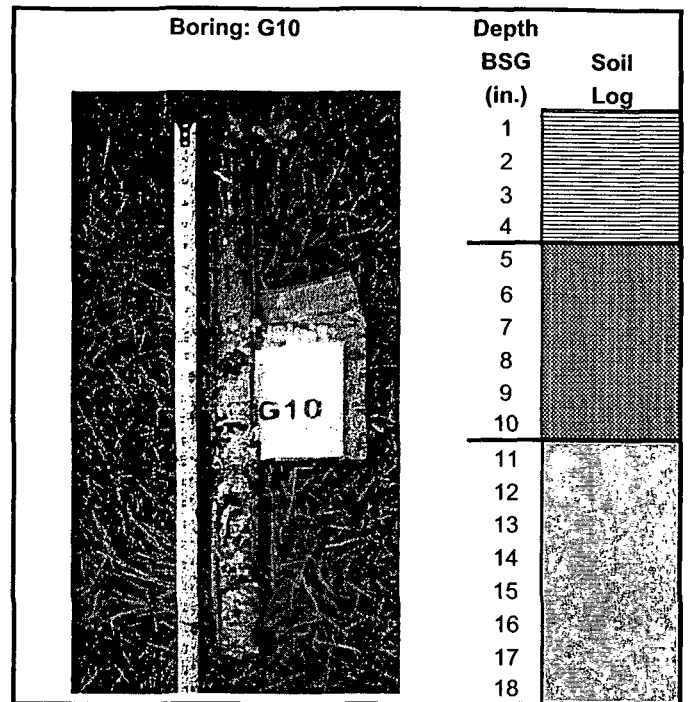
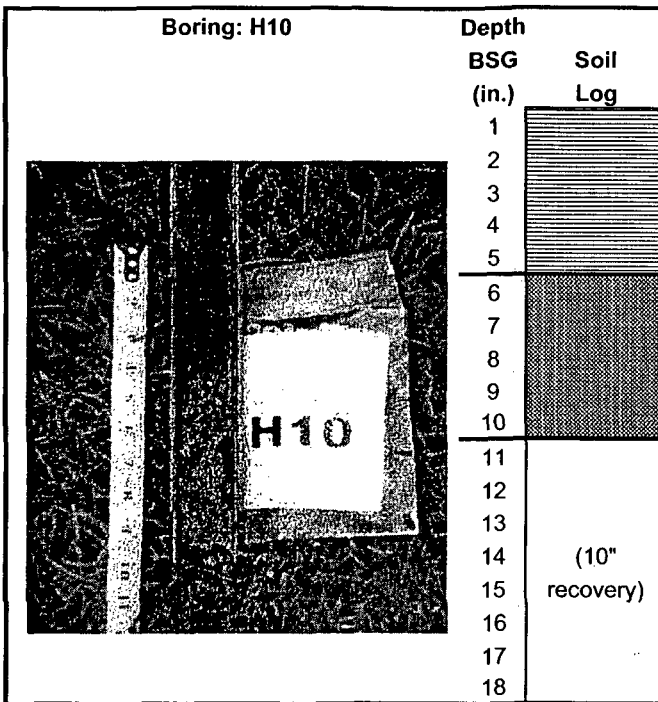
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